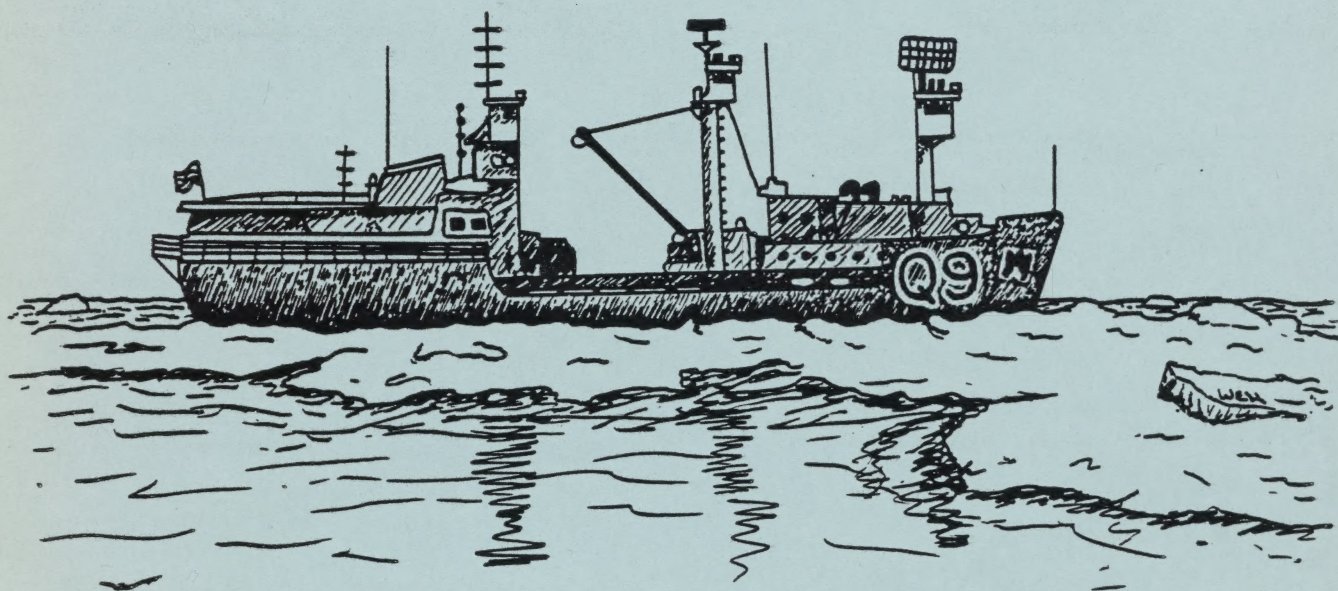


# ISLAS ORCADAS REPORTS



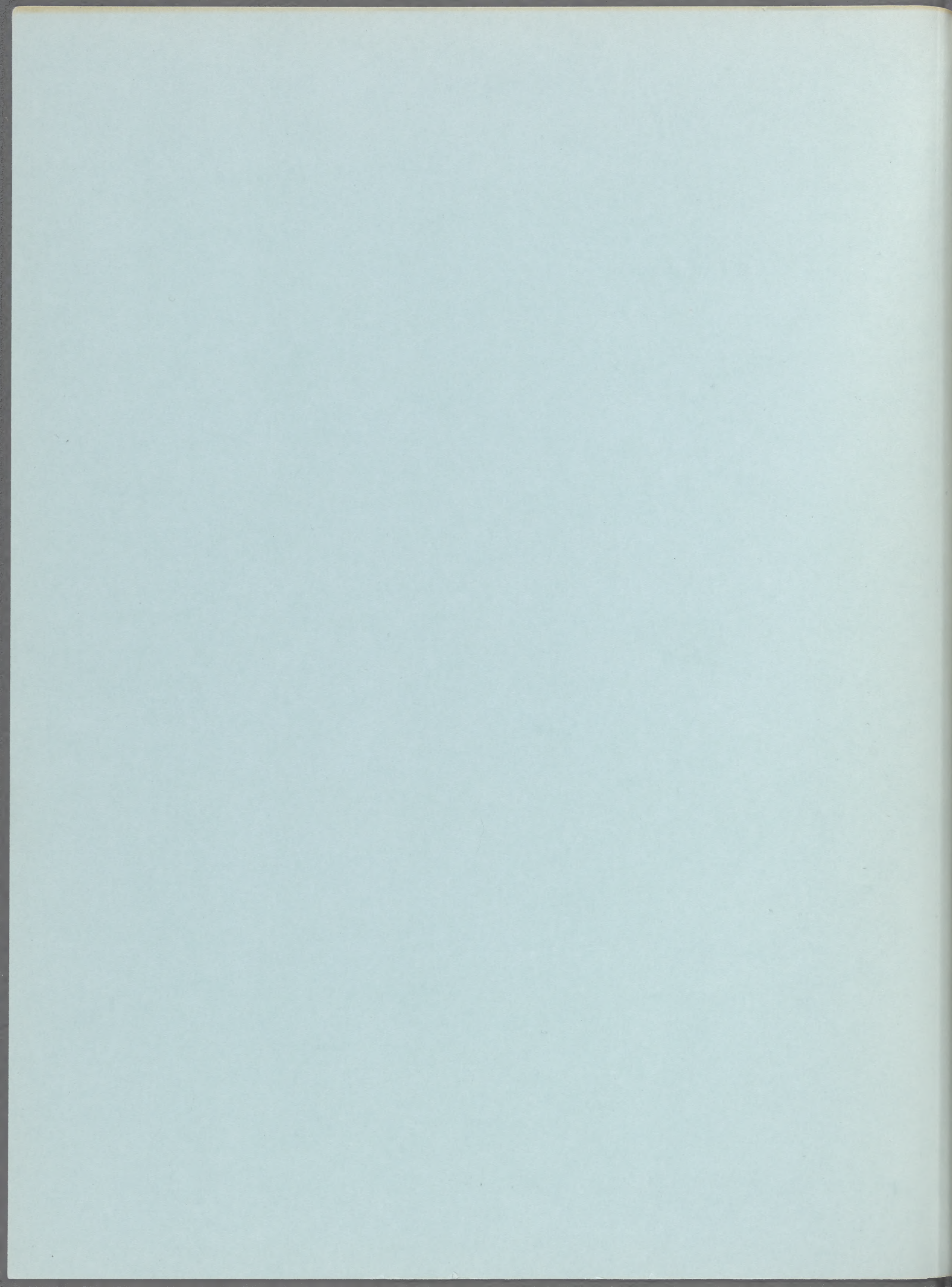
CRUISE 11 Oct-Dec, 1976

HYDROGRAPHIC STATIONS

LAMONT-DOHERTY GEOLOGICAL OBSERVATORY  
of COLUMBIA UNIVERSITY, PALISADES, N.Y. 10964

1981







ISLAS ORCADAS

CRUISE 11

Oct. - Dec. 1976

Hydrographic Stations 5 - 52

Bruce A. Huber

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Technical Report CU-1-81-TR1

Lamont-Doherty Geological Observatory  
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CIRCUMPOLAR CRUISES  
ARGENTINE-UNITED STATES  
ARA ISLAS ORCADAS



## PREFACE

During the period October 1976 to May 1978, personnel from Lamont-Doherty Geological Observatory participated in four cruises aboard the ARA ISLAS ORCADAS (IO11, IO12, IO15 and IO16) with the cooperation of the Argentine Navy Hydrographic Service. The physical oceanographic component of these cruises was designed to investigate the circulation and distribution of water masses in the Atlantic sector of the Southern Ocean. A total of 250 stations were occupied, consisting of CTD profiles and discrete water samples. All lowerings were to within a few meters of the bottom where possible. The data set resulting from these four cruises thus represents a fairly complete survey of the major basins of the Southern Ocean in the Atlantic sector, and it is useful to consider the set as a whole. However, as the data sets from each cruise were processed individually, and in order to produce documents of manageable size, the data will be reported separately, by cruise. This, then, is the first in a series of four ISLAS ORCADAS Data Reports, cruise IO11-76.

Continuous profiles were obtained using a Neil Brown Mark III CTD equipped with a dissolved oxygen sensor. The data was logged on audio tape and on nine-track digital tape with the aid of a Hewlett-Packard 2105 computer. Simultaneous discrete water samples were retrieved on the surface using a General Oceanics 24 bottle Sigsbee sampler with 1.2 liter bottles. The HP computer allowed real-time graphic display of temperature and salinity versus pressure, as well as listing of the data at one minute intervals.

### Water Sample Data

The water samples were analyzed on board for salinity, dissolved oxygen, silicate and phosphate. In addition, up to 5 bottles were equipped with







## Introduction

On the 24th of October, 1976 the research vessel of the Argentine Navy Hydrographic Service, ARA ISLAS ORCADAS (formerly USNS ELTANIN), departed Buenos Aires bound for Capetown, South Africa. Personnel from Lamont-Doherty Geological Observatory carried out geophysical, chemical and physical oceanographic studies along the track shown in Figure 1. The physical and chemical data are presented here. The trans-Atlantic section was planned to provide data for the study of the outflow of Antarctic Bottom Water from the Weddell Sea and the addition of North Atlantic Deep Water to the Circumpolar Deep Water (Sclater, et. al., 1977).

The data is derived from CTD profiles adjusted to discrete measurements of temperature and salinity. The chemical data consists of discrete measurements of dissolved oxygen concentration, silicate and phosphate. These data have been deposited at the National Oceanographic Data Center, Washington, D.C.

## Data Collection and Processing Methods

Continuous profiles were obtained using a Neil Brown Mark III CTD equipped with a dissolved oxygen sensor. The data was logged on audio tape and on nine track digital tape with the aid of a Hewlett-Packard 2108 computer. Simultaneous discrete water samples were retrieved on the uptrace using a General Oceanics 24 bottle Rosette sampler with 1.2 liter bottles. The HP computer allowed real-time graphic display of temperature and salinity versus pressure, as well as listing of the data at one minute intervals.

### Water Sample Data

The water samples were analyzed on board for salinity, dissolved oxygen, silicate and phosphate. In addition, up to 5 bottles were equipped with



reversing thermometer frames containing 2 protected and 1 unprotected thermometers.

Oxygen samples were titrated according to the Winkler method as modified by Carpenter (1965). Silicate and phosphate were determined by colorimetric techniques as described in Strickland and Parsons (1972). Salinity samples were processed on a Guildline Autosol laboratory salinometer.

#### CTD Data

The CTD/Rosette package was lowered at a nominal rate of 80 decibars/min. At the design sample rate of 31.25 Hz, this yields a nominal sampling of one data scan every 0.04 decibars. Only data from the downtrace was fully processed, as the instrument package was stopped for water sampling on the uptrace. When a bottle sample was taken, the associated CTD scan was flagged in the digital record and the data scan displayed on the CTD deck unit at the time of the trip was recorded for later comparison to the bottle salinity, temperature and pressure determinations.

The raw CTD data was first edited by flagging points falling outside a window of width 1.5 times the standard deviation of the data computed in 20 to 100 decibar blocks, depending upon the mean parameter gradient in the portion of the water column being edited. This procedure was meant to identify the obviously noisy points, and was performed automatically with the use of a Hewlett-Packard computer system in the lab.

The raw, flagged data was then decimated to form a uniform pressure series at 1 decibar intervals by interpolating within a 9 scan window approximately centered about the desired  $n^{\text{th}}$  decibar level. In filling the window, flagged points were ignored, and, for pressure and temperature, calibration constants applied. Salinity was calculated from the decimated pressure, temperature and



conductivity according to the procedure outlined by Fofonoff, et al. (1974). In addition, a correction to the calculated salinity was applied for temperatures less than 1°C (Perkin and Walker, 1972). The data was not corrected for sensor time constant mismatch.

The decimated data was then visually inspected in both plot and tabular form to identify gaps and remaining erroneous data points. These errors were corrected by linear interpolation.

#### Calibration

The raw data was standardized against pressures and temperatures obtained from reversing thermometers, and against the Autosol-derived water sample salinities. Where significant differences between down-and uptraces were observed, especially near-surface values, the water sample-CTD comparisons were not included in the calibration procedure. Calibration equations were derived by performing a least-squares polynomial fit to  $\Delta P$ ,  $\Delta T$  and  $\Delta S$  (Water sample - CTD) values as a function of pressure. For pressure and temperature, a linear fit was sufficient, while salinity required a quadratic fit.

For calibration purposes, stations were grouped to reflect changes in sensor behavior or modifications to the CTD underwater unit. Station groupings are given in Table I.

For pressure and temperature, the calibration coefficients derived were applied uniformly to all stations within a group. For salinity, minor adjustments to the zero order coefficient were made for each station to improve the fit to the bottle salinities collected at the station. Where practical, the  $\theta$ -S relationships of the corrected data were compared to historical data for verification.

The standard deviation of the residual errors after calibration are given



in Table I. In each case the residual scatter reflects the repeatability of the methods used to determine the water sample values.

#### Data Report Format

The data are presented in the form of listings of CTD and bottle data and plots of potential temperature and salinity versus pressure (0-1000 dbar and 0-6500 dbar scales) and potential temperature versus salinity. All data is plotted at 1 point every decibar. On each plot, values of salinity (diamond shape) and dissolved oxygen (circles) derived from the water samples are also presented. On the potential temperature and salinity versus pressure plots, the salinity trace is identified by the proximity of the salinity bottle data symbols.

Although the CTD used for this cruise was equipped with an oxygen sensor, the CTD oxygen data is not presented here. It was found that the CTD oxygen data was not well behaved and requires special processing. In the interest of disseminating the density and chemistry data in a reasonable time, processing of the oxygen data has been postponed. The raw oxygen data has been deposited with the other data at the National Oceanographic Data Center.

#### Data Listings

Header information for each station consists of:

1. Ship code (IO)
2. Cruise and station number
3. Position at the start of the station (degrees, minutes and tenths of minutes)
4. Time at start of station (hours and minutes, GMT)
5. Date (year/month/day)



6. Wind speed (meters per second)

7. Sonic depth to bottom at the start of the station, corrected  
via Matthew's Tables

The CTD-derived data are listed first and are identified by the following codes:

DE	Depth (meters) computed from pressure according to the polynomial of Saunders and Fofonoff (1976) (ignoring dynamic height anomaly).		
TEMP	in situ temperature ( $^{\circ}\text{C}$ )		
THETA	Potential temperature according to Bryden (1973) ( $^{\circ}\text{C}$ )		
SAL	Salinity ( $^{\circ}/_{\text{oo}}$ )		
SGM-T	Sigma-t		
SGM-0		the surface	
SGM-1		1000	
SGM-2	Potential density relative to	2000	
SGM-3		3000	decibars
SGM-4		4000	
AN	Specific volume anomaly $\times 10^5$ ( $\text{cm}^3/\text{g}$ )		
HZ	Dynamic height anomaly (dyn-m)		
SVEL	Sound velocity (m/s)		

Immediately beneath the CTD data listings are presented data derived from the stations, water samples:

DE	Depth (computed from CTD pressure)
TEMP	Temperature (CTD)
THETA	Potential temperature (computed from CTD pressure and temperature and bottle salinity).
SAL	Salinity, derived from Autosal measurements
OXY	Dissolved oxygen concentration (ml/l)
SIL	Silicate ( $\mu\text{gm-at/l}$ )
PO4	Phosphate ( $\mu\text{gm-at/l}$ )
SGM-T	
SGM-0	Same as for CTD data, using CTD pressure and temperature and
SGM-2	water sample salinity
SGM-4	



FLAG      An alpha numeric quality indicator. Letters indicate the quality of data or a manipulation of the data; numbers refer to a particular parameter.

- A - average of several values
  - B - salinities and nutrients collected at the surface by bucket. The pressure and temperature listed represent CTD values corresponding to a rosette bottle tripped at that level, the contents of which were entirely used for a tritium sample (data not reported here).
  - C - substitution of CTD salinity for a missing salinity water sample
  - D - data of doubtful quality
  - E - sample values were rearranged to correct for probable mistrip of bottles
- 
- |               |                            |
|---------------|----------------------------|
| 1 - salinity  | 5 - silicate and phosphate |
| 2 - oxygen    | 6 - pressure               |
| 3 - silicate  | 7 - temperature            |
| 4 - phosphate |                            |

Thus, D24 indicates that oxygen and phosphate are doubtful. Where only a letter appears, the code applies to all data at that level.

Blanks appearing in the bottle data listing indicate missing data due to bottle failure or data deleted during editing.



TABLE I

Station groupings for calibration and standard deviation ( $\sigma$ ) of residual error (water sample - corrected CTD)

Group #	Stations in group		
	Pressure ( $\sigma$ ,dbars)	Temperature ( $\sigma$ , $^{\circ}$ C)	Salinity ( $\sigma$ , $^{\circ}$ / $_{\infty}$ )
1	5 - 52 (3)	5 - 52 (0.006)	5 - 8 (0.002)
2			9 - 16 (0.003)
3			17 ( - )
4			18 - 27 (0.002)
5			28 (0.003)
6			29 ( - )
7			30 ( - )
8			31 - 34 (0.003)
9			35 - 36 (0.003)
10			37 - 41 (0.003)
11			42 - 52 (0.002)



#### ACKNOWLEDGEMENTS

We gratefully acknowledge the Hydrographic Service of the Argentine Navy for their support and cooperation during the collection of this data. We thank the captain, officers and crew of the ARA ISLAS ORCADAS for providing excellent working and living accommodations under often difficult conditions.

K. E. Draganovic and J. Szelag provided invaluable pre-cruise engineering support. W. Haines assisted in the data reduction. The frontispiece artwork is by Natasa Sotiropoulos.

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# PERSONNEL

<u>Name</u>	<u>Duties</u>	<u>Affiliation</u>
Daniel Georgi	Party Chief	LDGO
Jan Szelag	CTD Technician	LDGO
Hoyt Taylor	Watch stander, salinities	LDGO
Raul Banchemo	Oceanographic Technician	SHN
Raul Guerrero	Watch stander, salinities	SHN
Antonio Madelon	Chemist	SHN
Alberto Piola	Watch stander, salinities	SHN
Enrique Sik	Chemist	SHN

LDGO: Lamont-Doherty Geological Observatory

SHN: Servicio de Hidrografia Naval (Argentina)



## Notes and Errata

- A. Data from stations 1 - 4 have not been processed. These were test stations yielding unreliable results.
- B. Due to an error in computer programming, the positions given above the plots are in a format different from those on the data listings. The positions given on the listings are in a common format and are correct as given; those appearing on the plots should be ignored.
- C. The following are comments pertaining to individual stations.

Station #	Comments
5	Position - correct latitude is $48^{\circ} 52.3'S$
8	Bottle data - the flag AR indicates that the pressure and temperature values are from reversing thermometers rather than the CTD.
13	The CTD data was truncated at 6000 dbars during editing.
15,17	Bottle salinities - due to erratic behavior of the salinometer, bottle salinities were not used for calibration. The bottle salinities are reported, but should be viewed with caution.
24	Bottle at 412 m - ignore E1 flag
28	Plots - salinity and oxygen scales on the expanded plot are displaced by $.1^{\circ}/_{\text{oo}}$ and 1 ml/l. The data are plotted correctly with respect to the other stations.
30	Due to rosette malfunction, only 2 bottles were retrieved. This station was adjusted to fit bottles from stations 31 - 34.
34	Bottle salinities - a correction of -0.005 was applied to the Autosal salinities.
52	Bottle salinities - a correction of 0.003 was applied to the Autosal salinities.







Figure 1. Station positions for ISLAS ORCADAS cruises 11, 12, 15 and 16.

Stations corresponding to each cruise are as follows:

I011: 5 - 52

I012: 53 - 126

I015: 127 - 177

I016: 178 - 250



DE	TEMP	THETA	SAL	SGM-T	SGM-O	SGM-1	SGM-2	SGM-3	SGM-4	AN	HZ	SVEL
0	10	81	34	108	6	31	35	40	44	116	76	000
10	10	81	34	108	6	31	35	40	44	116	76	000
20	10	81	34	108	6	31	35	40	44	116	76	000
30	10	81	34	108	6	31	35	40	44	116	76	000
40	10	81	34	108	6	31	35	40	44	116	76	000
50	10	81	34	108	6	31	35	40	44	116	76	000
60	10	81	34	108	6	31	35	40	44	116	76	000
70	10	81	34	108	6	31	35	40	44	116	76	000
80	10	81	34	108	6	31	35	40	44	116	76	000
90	10	81	34	108	6	31	35	40	44	116	76	000
100	10	81	34	108	6	31	35	40	44	116	76	000
110	10	81	34	108	6	31	35	40	44	116	76	000
120	10	81	34	108	6	31	35	40	44	116	76	000
130	10	81	34	108	6	31	35	40	44	116	76	000
140	10	81	34	108	6	31	35	40	44	116	76	000
150	10	81	34	108	6	31	35	40	44	116	76	000
160	10	81	34	108	6	31	35	40	44	116	76	000
170	10	81	34	108	6	31	35	40	44	116	76	000
180	10	81	34	108	6	31	35	40	44	116	76	000
190	10	81	34	108	6	31	35	40	44	116	76	000
200	10	81	34	108	6	31	35	40	44	116	76	000
210	10	81	34	108	6	31	35	40	44	116	76	000
220	10	81	34	108	6	31	35	40	44	116	76	000
230	10	81	34	108	6	31	35	40	44	116	76	000
240	10	81	34	108	6	31	35	40	44	116	76	000
250	10	81	34	108	6	31	35	40	44	116	76	000
260	10	81	34	108	6	31	35	40	44	116	76	000
270	10	81	34	108	6	31	35	40	44	116	76	000
280	10	81	34	108	6	31	35	40	44	116	76	000
290	10	81	34	108	6	31	35	40	44	116	76	000
300	10	81	34	108	6	31	35	40	44	116	76	000
310	10	81	34	108	6	31	35	40	44	116	76	000
320	10	81	34	108	6	31	35	40	44	116	76	000
330	10	81	34	108	6	31	35	40	44	116	76	000
340	10	81	34	108	6	31	35	40	44	116	76	000
350	10	81	34	108	6	31	35	40	44	116	76	000
360	10	81	34	108	6	31	35	40	44	116	76	000
370	10	81	34	108	6	31	35	40	44	116	76	000
380	10	81	34	108	6	31	35	40	44	116	76	000
390	10	81	34	108	6	31	35	40	44	116	76	000
400	10	81	34									

[illegible]

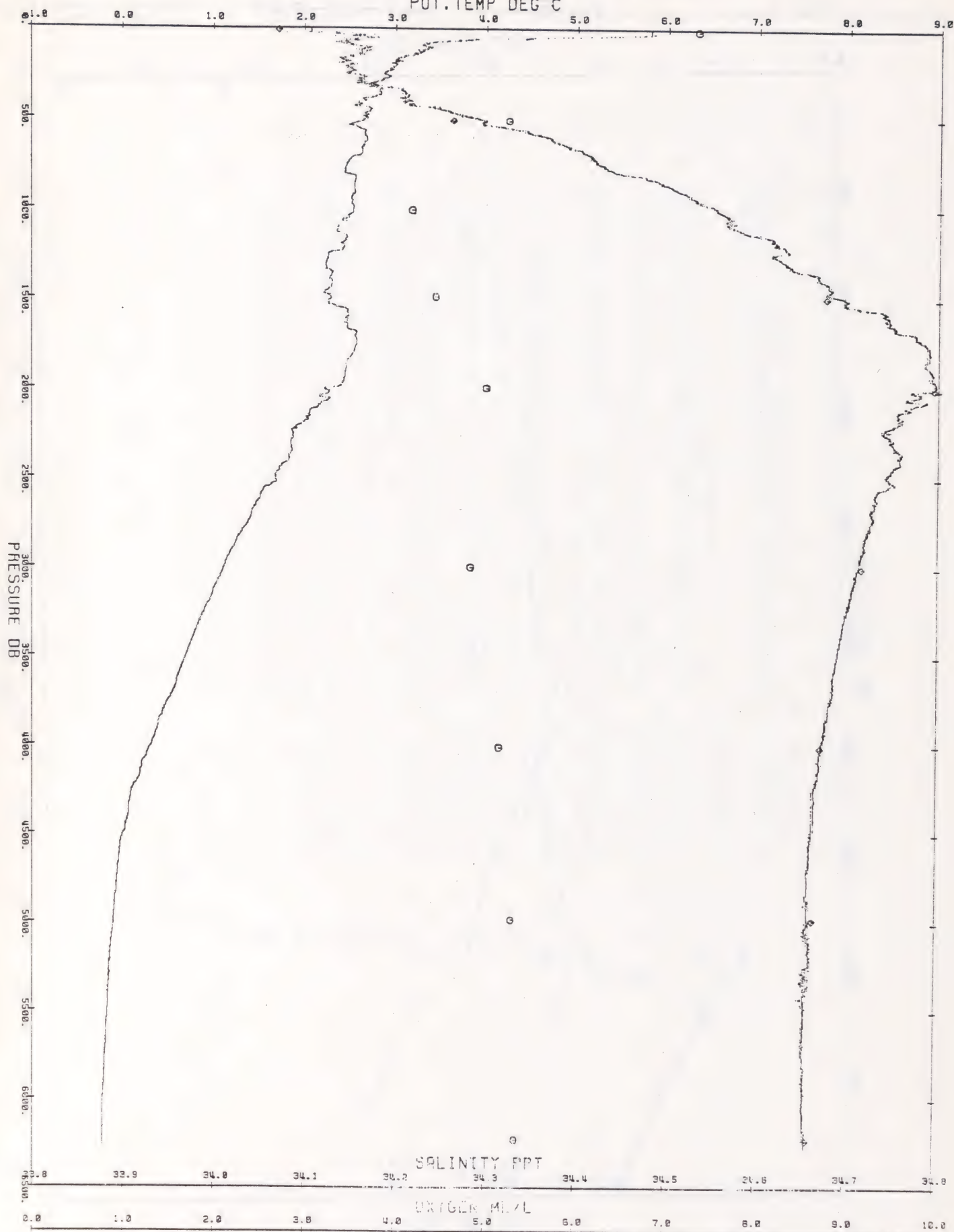


1011

ST 5

LAT-48.523 LONG -43.127

POT. TEMP DEG C





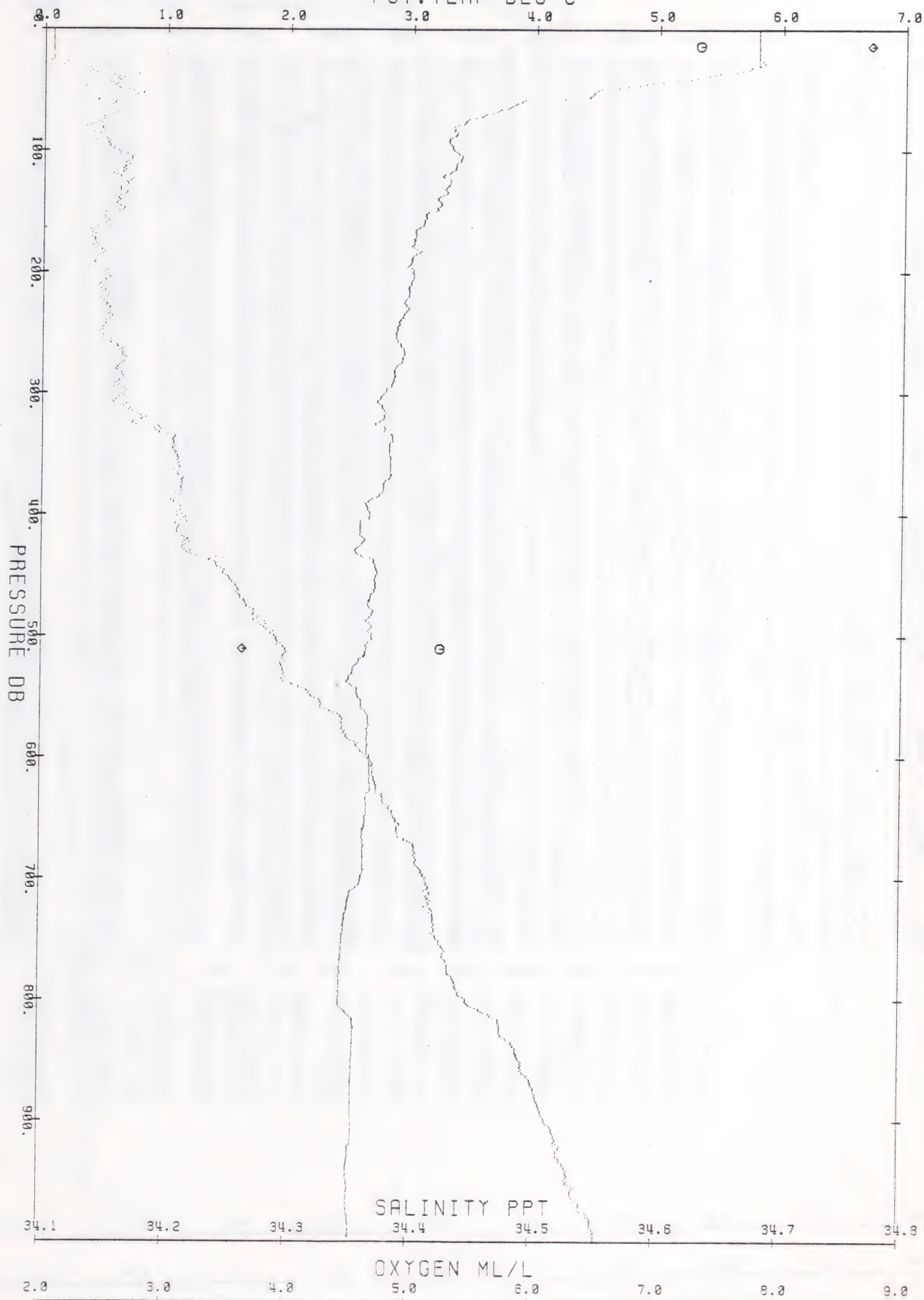
1011

ST 5

LAT-48.523

LONG -43.127

POT. TEMP DEG C



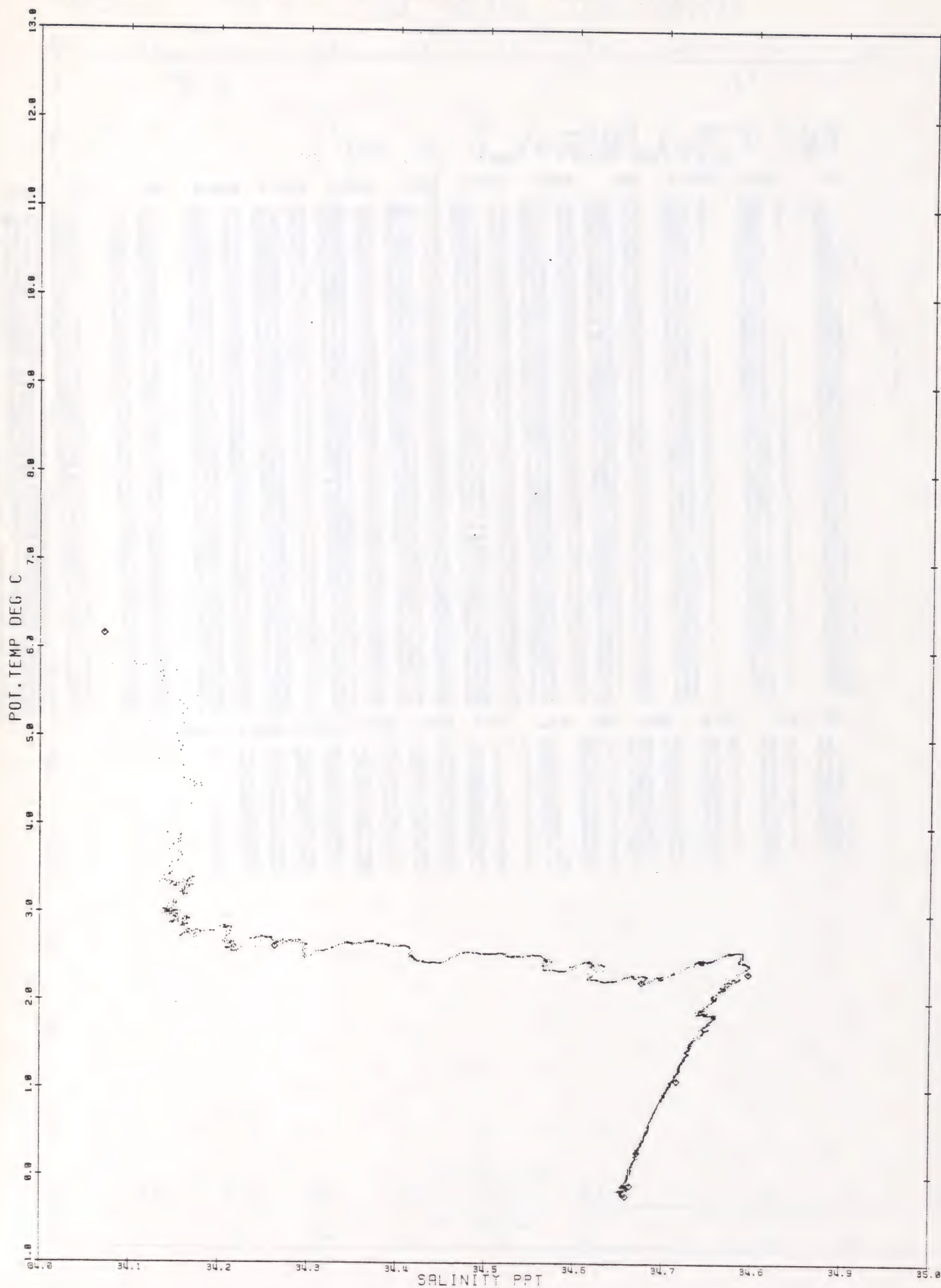


1011

ST 5

LAT-48.523

LONG -43.127





START 50 STATION 40 52.00 W AT 50 76/11/ 5  
WIND = 6M/S COR. DEPTH = 1851M

[illegible]

DE	TEMP	THETA	SAL	OXY	SIL	PO4	SGM-T	SGM-O	SGM-2	SGM-4	FLAG
11	36	33	954	7.84	32.3	1.50	27.13	27.13	36.35	45.13	
859	70	33	974	7.75	32.4	1.79	27.26	27.26	36.58	45.45	A
115	34	33	986	7.50	32.1	1.94	27.27	27.27	36.59	45.45	
155	34	33	987	7.50	27.6	1.90	27.59	27.59	36.63	45.46	
400	34	33	400	4.74	1.88	1.95	27.50	27.50	36.72	45.50	A
995	34	33	540	4.88	78.7	45	27.60	27.60	36.82	45.60	A
995	34	33	627	4.88	86.6	43	27.68	27.68	36.91	45.69	A
1002	34	33	677	4.85	86.8	43	27.73	27.73	36.96	45.76	A
1380	70	34	713	4.04	97.8	28	27.78	27.78	37.03	45.84	A
1577	71	34	730	4.57	97	28	27.81	27.81	37.06	45.87	A
1577	71	34	730	4.57	97	28	27.81	27.81	37.06	45.87	A
1806	53	34	736	4.68	101.2	24	27.81	27.82	37.07	45.89	A

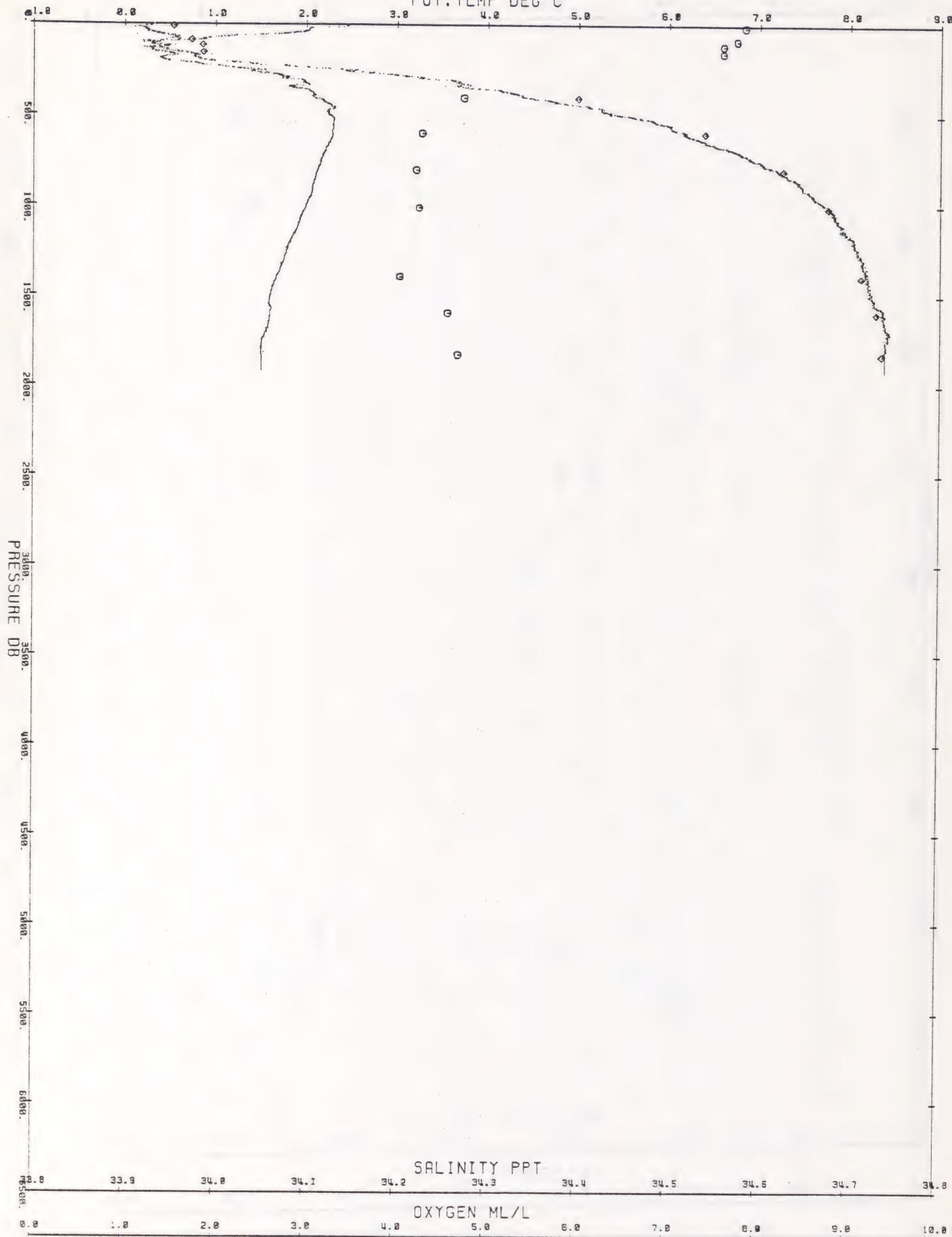


1011

ST 6

LAT -50.052 LONG -40.520

POT. TEMP DEG C





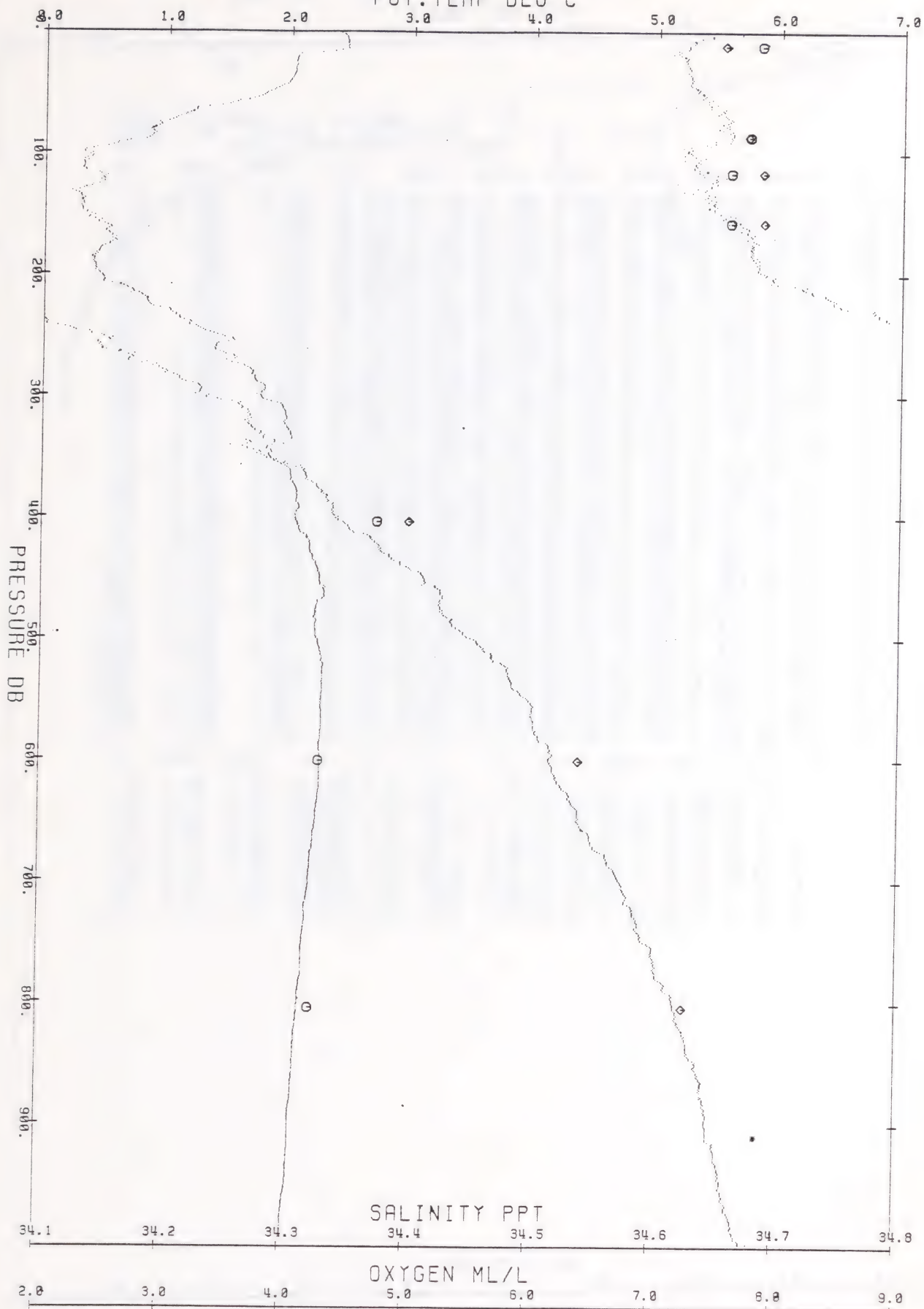
1011

ST 6

LAT -50.052

LONG -40.520

POT. TEMP DEG C



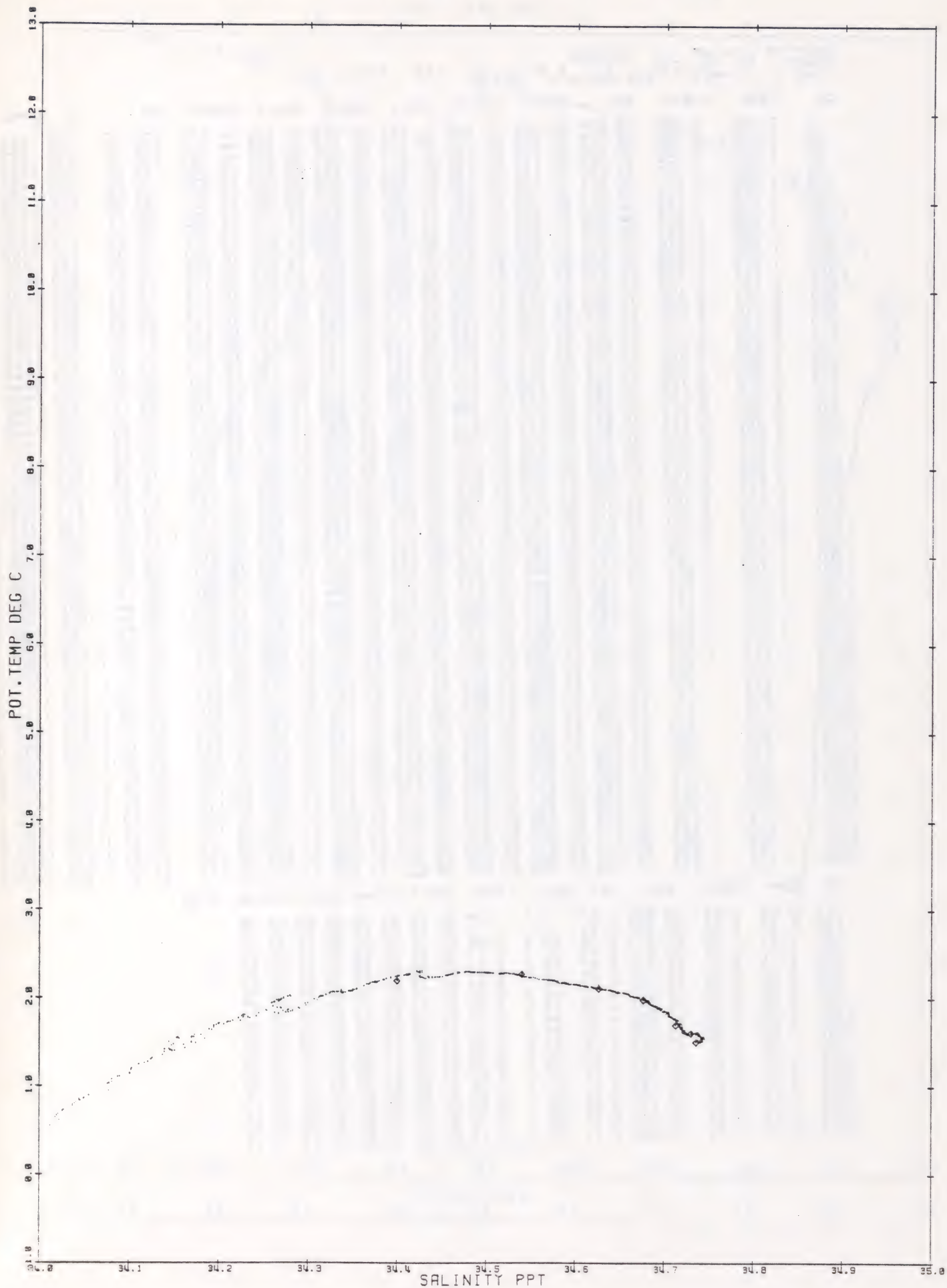


1011

ST 6

LAT -50.052

LONG -40.520





SHIP ID CRUISE 11 STATION 7  
START 50 46.40 S 37 6.40 W AT 154 76/11/ 6  
WIND = 9M/S COR. DEPTH = 4975M

DE	TEMP	THETA	SAL	SGM-T	SGM-O	SGM-1	SGM-2	SGM-3	SGM-4	AN	HZ	SVEL
0												
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
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12												
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66												

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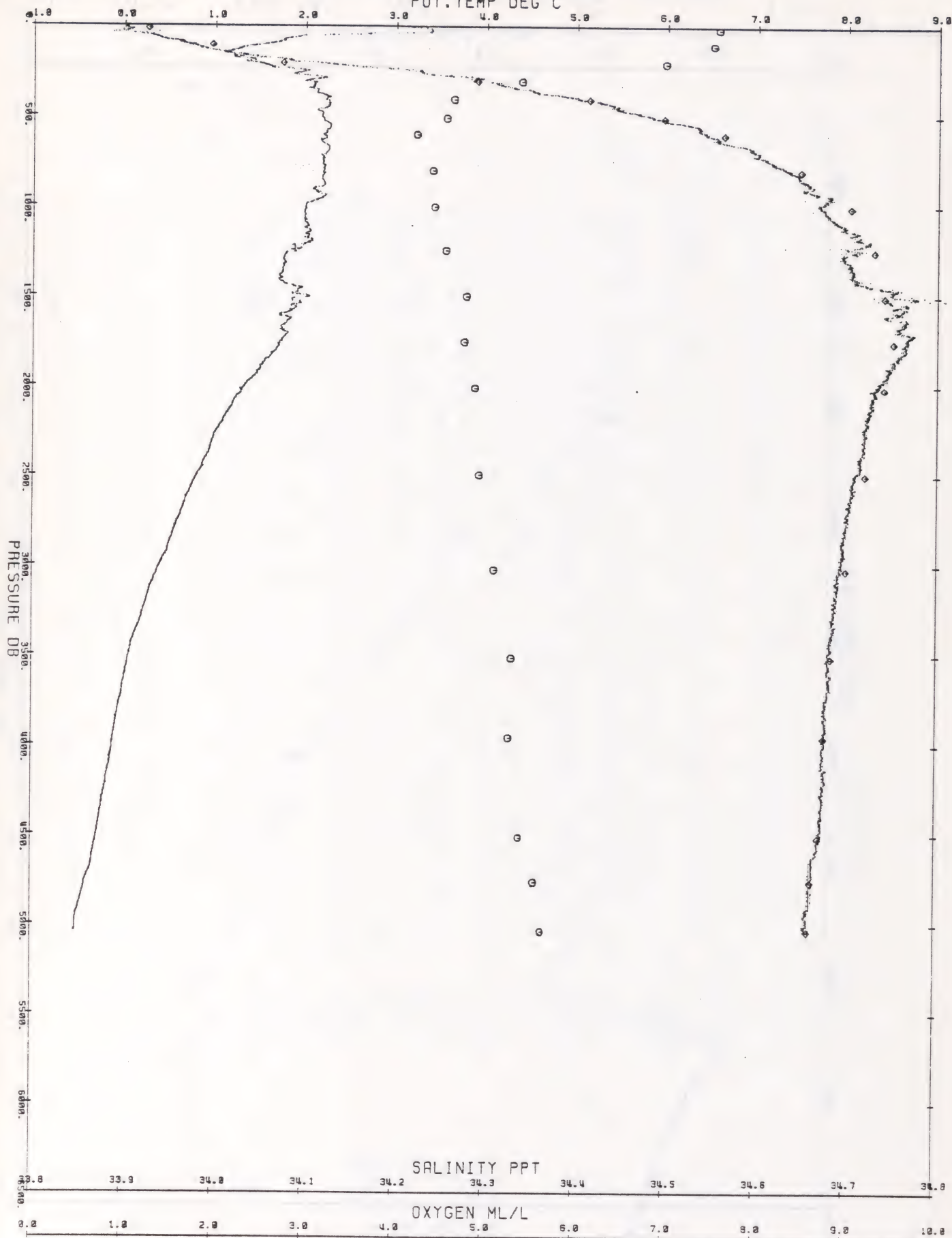
1011

ST 7

LAT -50.464

LONG -37.064

POT. TEMP DEG C



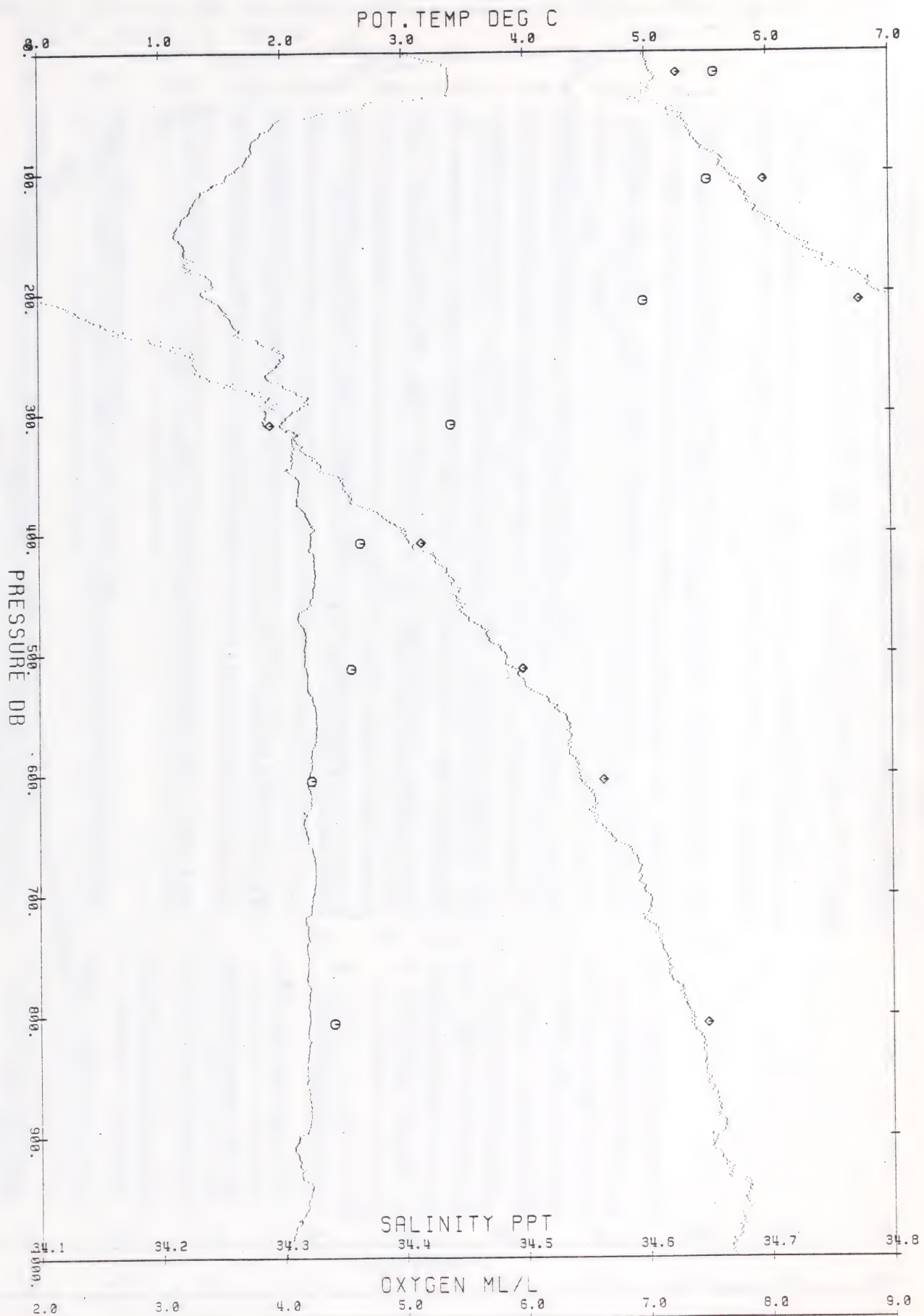


1011

ST 7

LAT -50.464

LONG -37.064

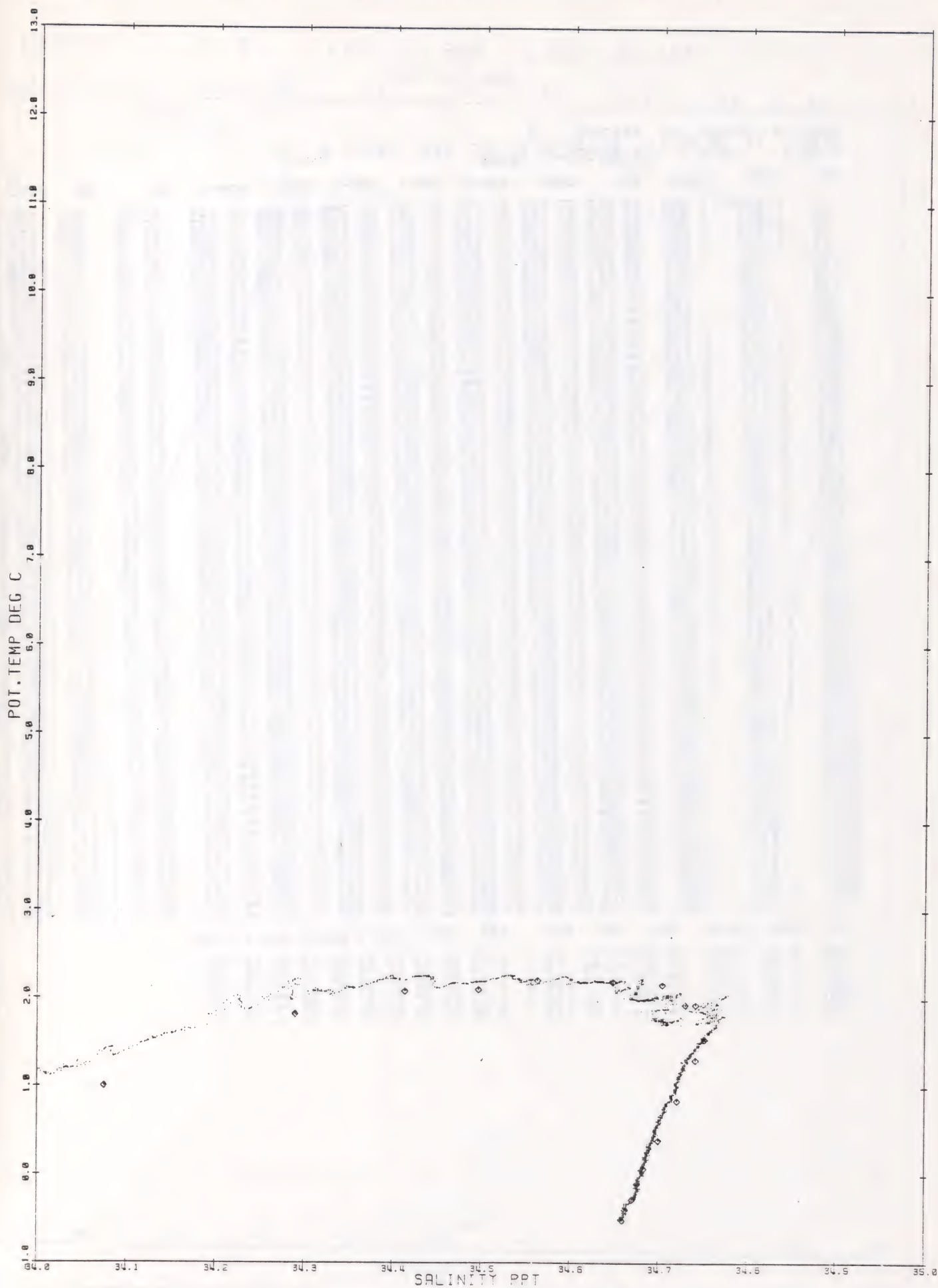


1011

ST 7

LAT -50.464

LONG -37.064





DE	TEMP	THETA	SAL	SGM-T	SGM-O	SGM-1	SGM-2	SGM-3	SGM-4	AN	HZ	SVEL									
0	865	865	333	869	27	099	27	099	31	781	36	348	40	806	45	159	97	29	000	1456	14
1	865	865	333	869	27	099	27	099	31	781	36	348	40	806	45	159	97	29	000	1456	14
2	865	865	333	869	27	099	27	099	31	781	36	348	40	806	45	159	97	29	000	1456	14
3	865	865	333	869	27	099	27	099	31	781	36	348	40	806	45	159	97	29	000	1456	14
4	865	865	333	869	27	099	27	099	31	781	36	348	40	806	45	159	97	29	000	1456	14
5	865	865	333	869	27	099	27	099	31	781	36	348	40	806	45	159	97	29	000	1456	14
6	865	865	333	869	27	099	27	099	31	781	36	348	40	806	45	159	97	29	000	1456	14
7	865	865	333	869	27	099	27	099	31	781	36	348	40	806	45	159	97	29	000	1456	14
8	865	865	333	869	27	099	27	099	31	781	36	348	40	806	45	159	97	29	000	1456	14
9	865	865	333	869	27	099	27	099	31	781	36	348	40	806	45	159	97	29	000	1456	14
10	865	865	333	869	27	099	27	099	31	781	36	348	40	806	45	159	97	29	000	1456	14
11	865	865	333	869	27	099	27	099	31	781	36	348	40	806	45	159	97	29	000	1456	14
12	865	865	333	869	27	099	27	099	31	781	36	348	40	806	45	159	97	29	000	1456	14
13	865	865	333	869	27	099	27	099	31	781	36	348	40	806	45	159	97	29	000	1456	14
14	865	865	333	869	27	099	27	099	31	781	36	348	40	806	45	159	97	29	000	1456	14
15	865	865	333	869	27	099	27	099	31	781	36	348	40	806	45	159	97	29	000	1456	14
16	865	865	333	869	27	099	27	099	31	781	36	348	40	806	45	159	97	29	000	1456	14
17	865	865	333	869	27	099	27	099	31	781	36	348	40	806	45	159	97	29	000	1456	14
18	865	865	333	869	27	099	27	099	31	781	36	348	40	806	45	159	97	29	000	1456	14
19	865	865	333	869	27	099	27	099	31	781	36	348	40	806	45	159	97	29	000	1456	14
20	865	865	333	869	27	099	27	099	31	781	36	348	40	806	45	159	97	29	000	1456	14
21	865	865	333	869	27	099	27	099	31	781	36	348	40	806	45	159	97	29	000	1456	14
22	865	865	333	869	27	099	27	099	31	781	36	348	40	806	45	159	97	29	000	1456	14
23	865	865	333																		

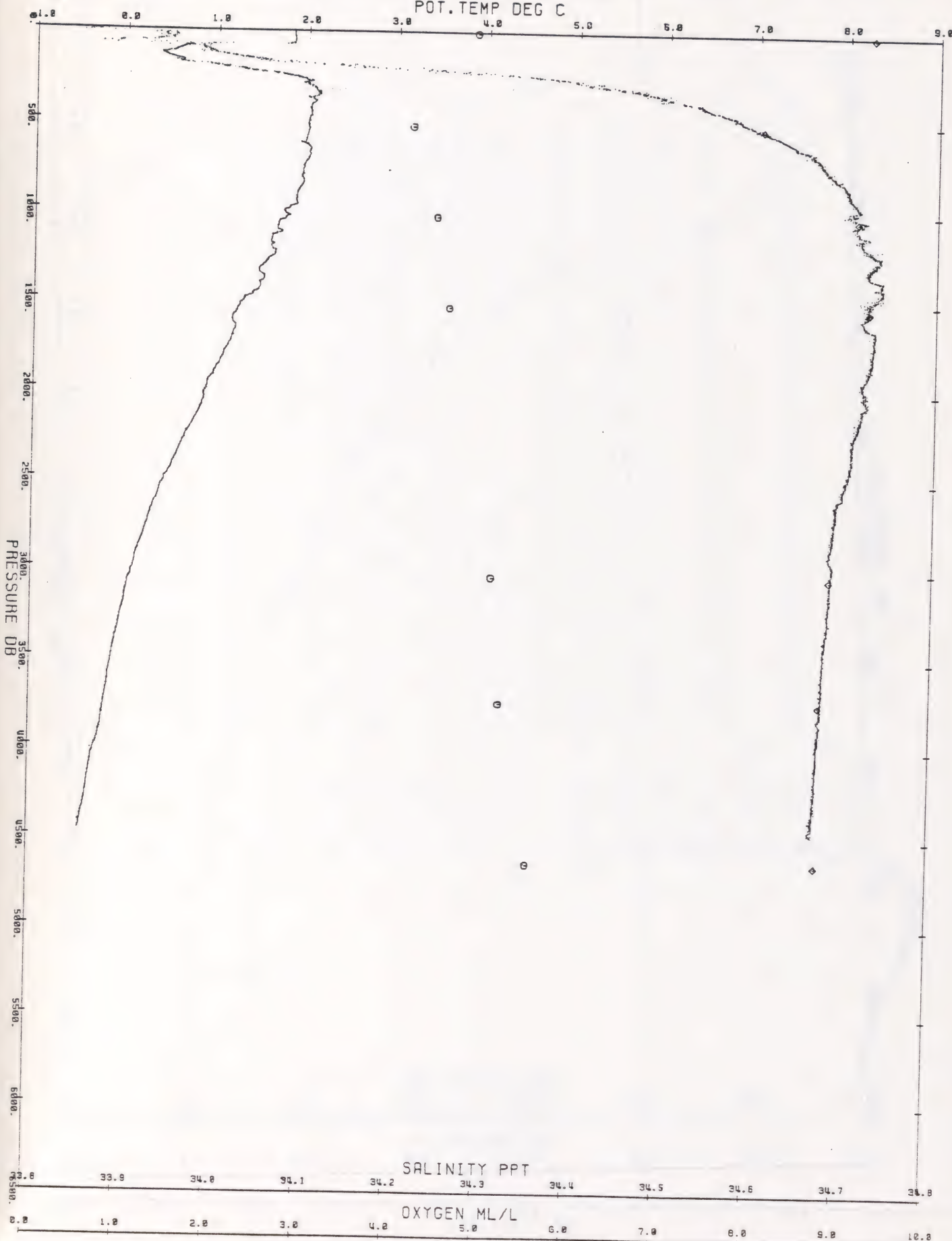
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1011

ST 8

LAT -51.359 LONG -34.235

POT. TEMP DEG C





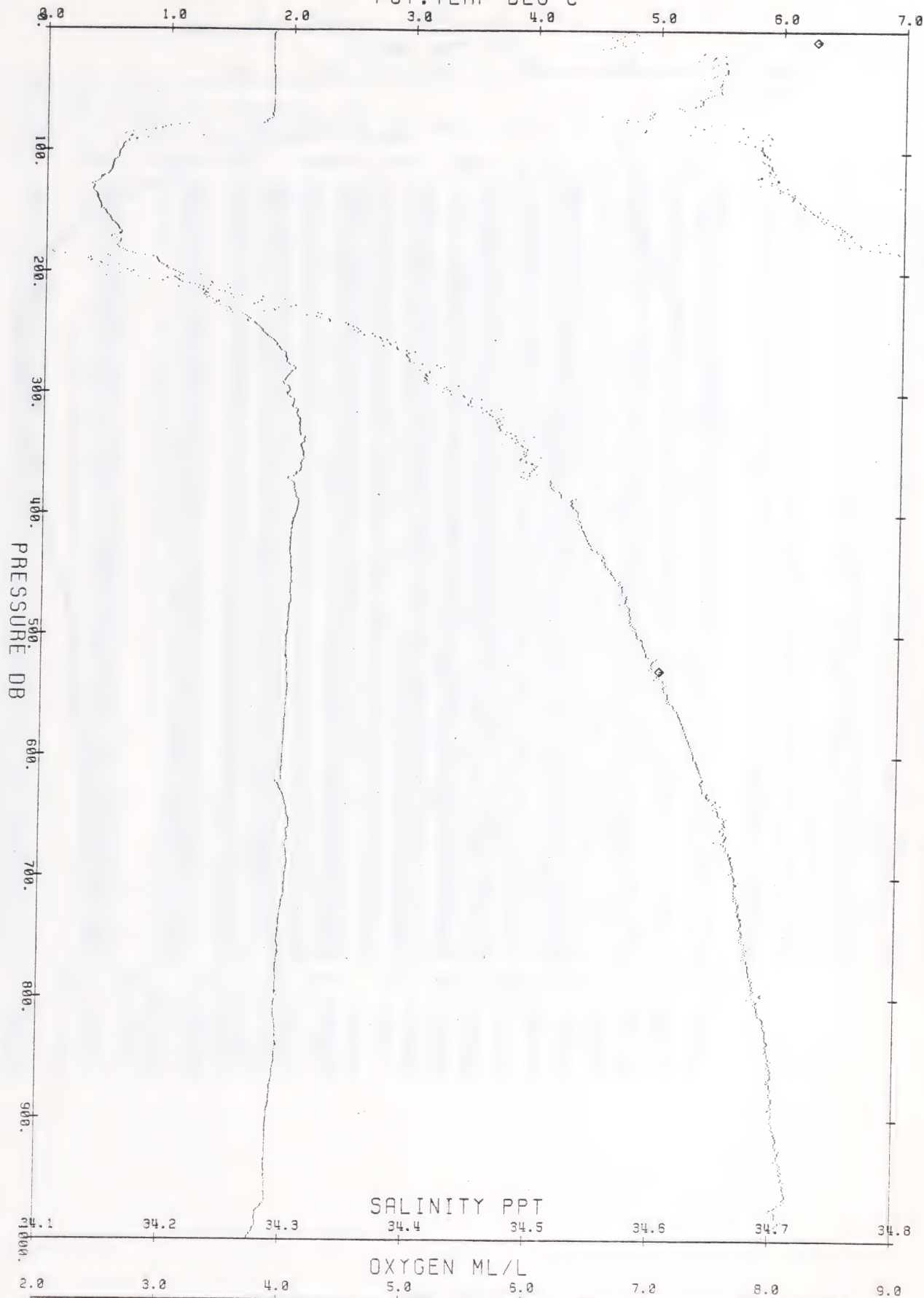
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ST 8

LAT -51.359

LONG -34.235

POT. TEMP DEG C

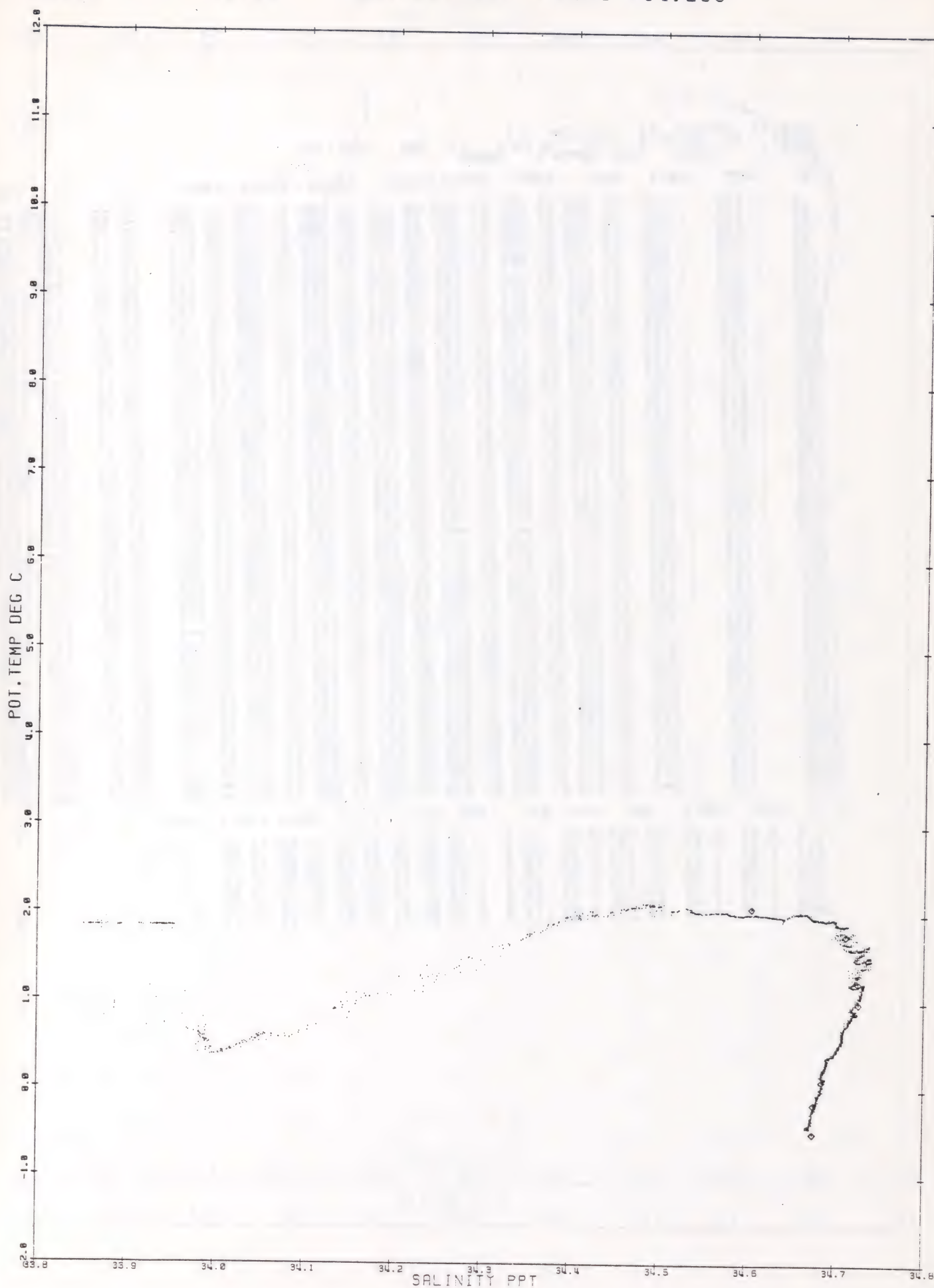


IO11

ST 8

LAT -51.359

LONG -34.235





SHIP ID CRUISE 11 STATION 9  
START 52 31.30 S 32 13.40 W AT 200 76/11/10  
WIND = 12M/S COR. DEPTH = 2683M

DE	TEMP	THETA	SAL	SGM-T	SGM-O	SGM-1	SGM-2	SGM-3	SGM-4	AN	HZ	SVEL
0	-	100	-	100	34	004	27	32	49	27	33	27
20	-	100	-	101	33	003	27	32	49	27	33	27
40	-	104	-	106	33	003	27	32	49	27	33	27
60	-	108	-	110	33	003	27	32	49	27	33	27
80	-	125	-	127	34	004	27	33	50	27	34	27
100	-	174	-	167	34	004	27	33	50	27	34	27
120	-	178	-	178	34	004	27	33	50	27	34	27
140	-	168	-	162	34	004	27	33	50	27	34	27
160	-	136	-	130	34	004	27	33	50	27	34	27
180	-	111	-	103	34	004	27	33	50	27	34	27
200	-	886	-	376	34	004	27	33	50	27	34	27
220	1	668	1	657	34	004	27	33	50	27	34	27
240	1	762	1	749	34	004	27	33	50	27	34	27
260	1	760	1	746	34	004	27	33	50	27	34	27
280	1	761	1	746	34	004	27	33	50	27	34	27
300	1	799	1	781	34	004	27	33	50	27	34	27
320	1	1133	1	796	34	004	27	33	50	27	34	27
340	1	1158	1	796	34	004	27	33	50	27	34	27
360	1	1189	1	797	34	004	27	33	50	27	34	27
380	1	1217	1	805	34	004	27	33	50	27	34	27
400	1	1233	1	789	34	004	27	33	50	27	34	27
420	1	767	1	743	34	004	27	33	50	27	34	27
440	1	730	1	704	34	004	27	33	50	27	34	27
460	1	717	1	690	34	004	27	33	50	27	34	27
480	1	693	1	663	34	004	27	33	50	27	34	27
500	1	644	1	631	34	004	27	33	50	27	34	27
520	1	600	1	580	34	004	27	33	50	27	34	27
540	1	554	1	531	34	004	27	33	50	27	34	27
560	1	509	1	484	34	004	27	33	50	27	34	27
580	1	464	1	439	34	004	27	33	50	27	34	27
600	1	419	1	394	34	004	27	33	50	27	34	27
620	1	374	1	349	34	004	27	33	50	27	34	27
640	1	329	1	304	34	004	27	33	50	27	34	27
660	1	284	1	259	34	004	27	33	50	27	34	27
680	1	239	1	214	34	004	27	33	50	27	34	27
700	1	194	1	169	34	004	27	33	50	27	34	27
720	1	149	1	124	34	004	27	33	50	27	34	27
740	1	104	1	89	34	004	27	33	50	27	34	27
760	1	59	1	44	34	004	27	33	50	27	34	27
780	1	0	1	-1	34	004	27	33	50	27	34	27
800	1	-59	1	-84	34	004	27	33	50	27	34	2

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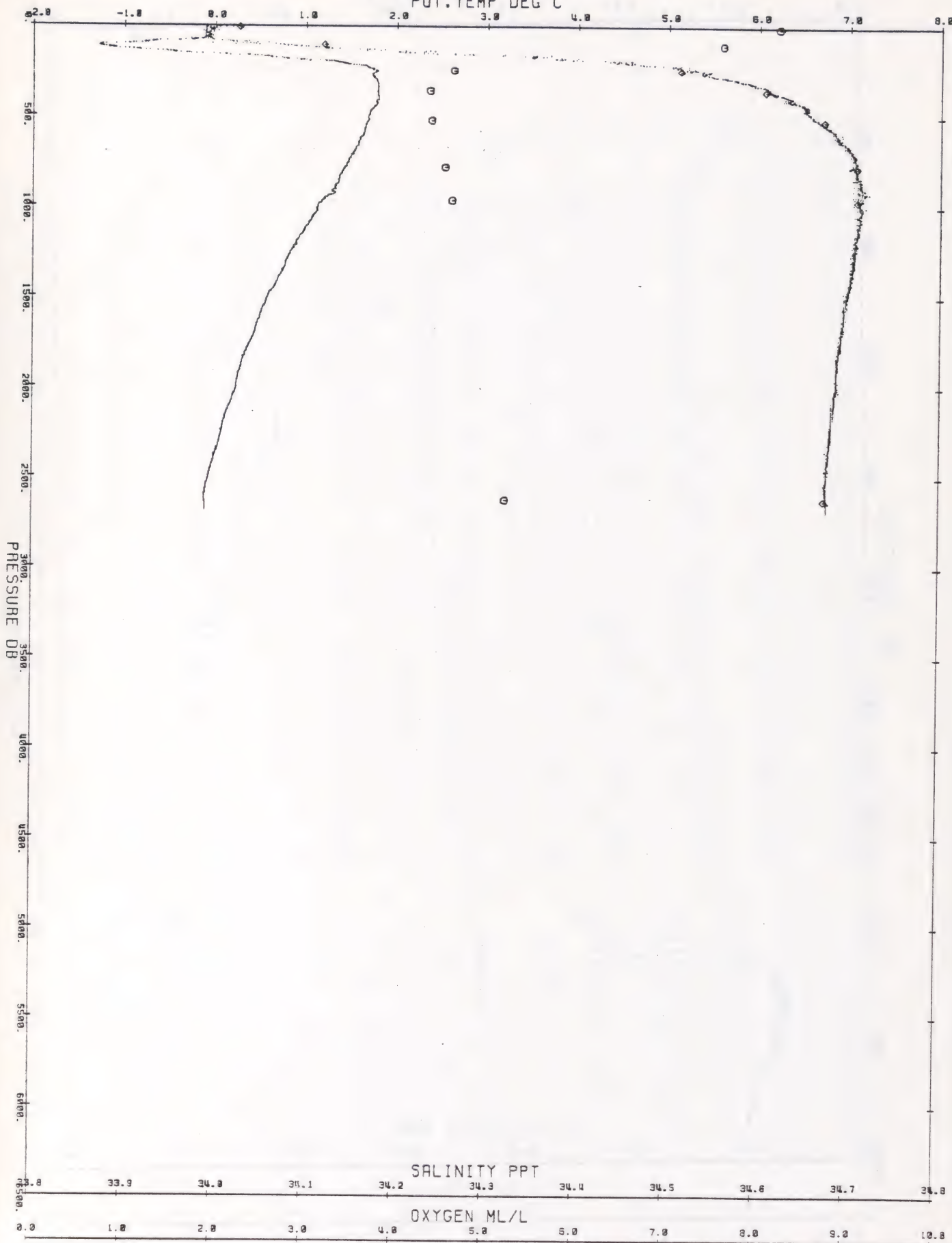
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ST 9

LAT -51.682

LONG -31.866

POT. TEMP DEG C



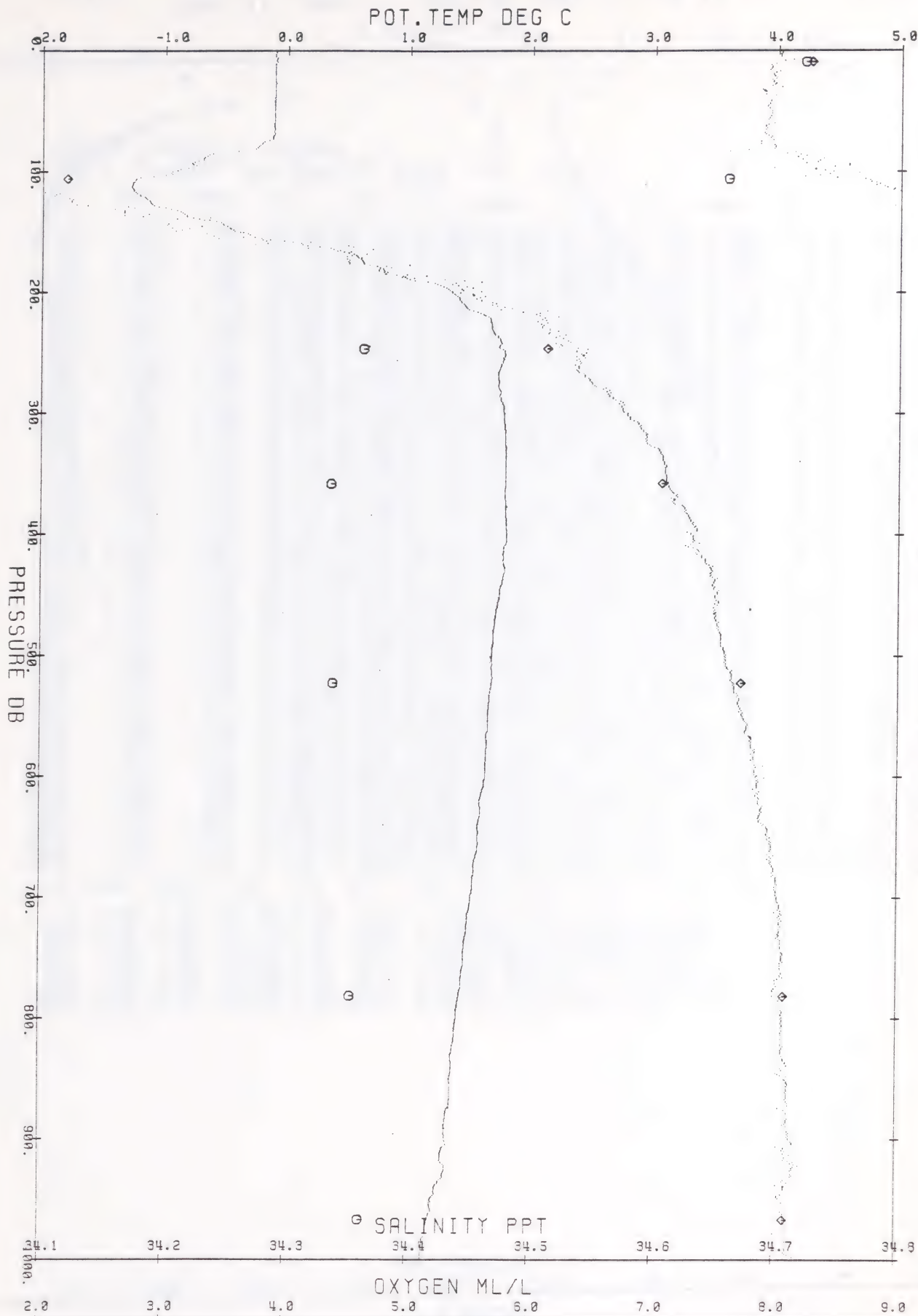


IO11

ST 9

LAT -51.682

LONG -31.866

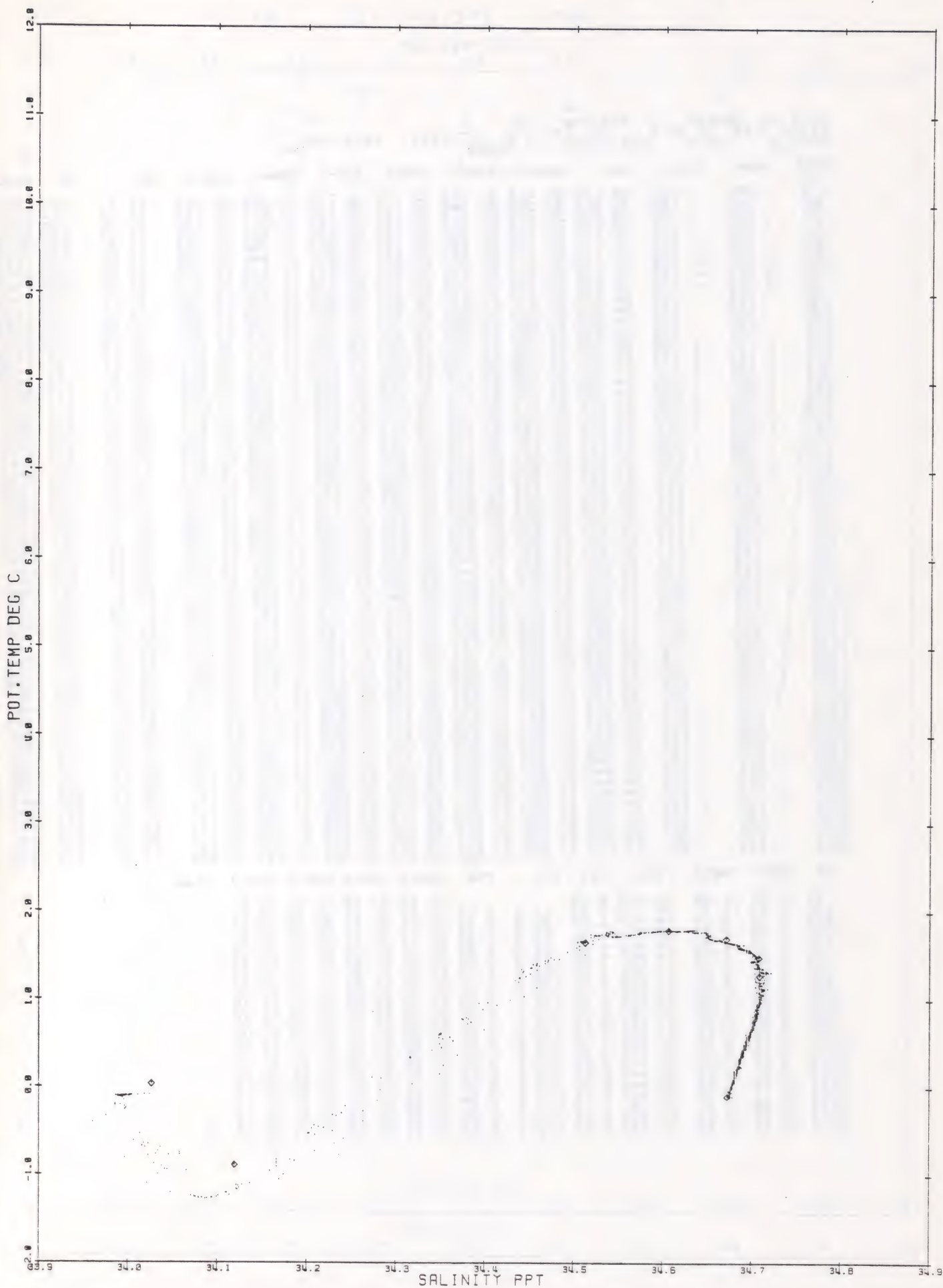


1011

ST 9

LAT -51.682

LONG -31.866





SHIP ID CRUISE 11 STATION 10  
 START 53 27.00 S 31 19.10 W AT 1415 76/11/10  
 WIND = 9M/S COR. DEPTH = 3534M

DE	TEMP	THETA	SAL	SGM-T	SGM-O	SGM-1	SGM-2	SGM-3	SGM-4	AN	HZ	SVEL
0	-	-	34.100	27.412	27.412	33.412	33.412	33.412	33.412			
207	-	-	34.079	27.393	27.393	33.393	33.393	33.393	33.393	67.67	67.67	000
400	-	-	34.088	27.412	27.412	33.412	33.412	33.412	33.412	67.67	67.67	014
600	-	-	34.088	27.412	27.412	33.412	33.412	33.412	33.412	67.67	67.67	027
800	-	-	34.103	27.435	27.435	33.435	33.435	33.435	33.435	67.67	67.67	041
1000	-	-	34.120	27.470	27.470	33.470	33.470	33.470	33.470	67.67	67.67	054
1200	-	-	34.168	27.517	27.517	33.517	33.517	33.517	33.517	67.67	67.67	066
1400	-	-	34.193	27.534	27.534	33.534	33.534	33.534	33.534	67.67	67.67	078
1600	-	-	34.259	27.573	27.573	33.573	33.573	33.573	33.573	67.67	67.67	089
1800	-	-	34.372	27.631	27.631	33.631	33.631	33.631	33.631	67.67	67.67	100
2000	-	-	34.451	27.660	27.660	33.660	33.660	33.660	33.660	67.67	67.67	110
2200	-	-	34.507	27.687	27.687	33.687	33.687	33.687	33.687	67.67	67.67	119
2400	-	-	34.545	27.700	27.700	33.700	33.700	33.700	33.700	67.67	67.67	129
2600	-	-	34.586	27.723	27.723	33.723	33.723	33.723	33.723	67.67	67.67	136
2800	-	-	34.627	27.736	27.736	33.736	33.736	33.736	33.736	67.67	67.67	144
3000	-	-	34.670	27.759	27.759	33.759	33.759	33.759	33.759	67.67	67.67	151
3200	-	-	34.706	27.763	27.763	33.763	33.763	33.763	33.763	67.67	67.67	158
3400	-	-	34.744	27.771	27.771	33.771	33.771	33.771	33.771	67.67	67.67	166
3600	-	-	34.780	27.776	27.776	33.776	33.776	33.776	33.776	67.67	67.67	176
3800	-	-	34.810	27.781	27.781	33.781	33.781	33.781	33.781	67.67	67.67	183
4000	-	-	34.836	27.785	27.785	33.785	33.785	33.785	33.785	67.67	67.67	190
4200	-	-	34.866	27.792	27.792	33.792	33.792	33.792	33.792	67.67	67.67	197
4400	-	-	34.894	27.801	27.801	33.801	33.801	33.801	33.801	67.67	67.67	206
4600	-	-	34.920	27.808	27.808	33.808	33.808	33.808	33.808	67.67	67.67	214
4800	-	-	34.944	27.811	27.811	33.811	33.811	33.811	33.811	67.67	67.67	222
5000	-	-	34.966	27.813	27.813	33.813	33.813	33.813	33.813	67.67	67.67	230
5200	-	-	34.986	27.816	27.816	33.816	33.816	33.816	33.816	67.67	67.67	237
5400	-	-	35.000	27.819	27.819	33.819	33.819	33.819	33.819	67.67	67.67	245
5600	-	-	35.011	27.821	27.821	33.821	33.821	33.821	33.821	67.67	67.67	253
5800	-	-	35.020	27.823	27.823	33.823	33.823	33.823	33.823	67.67	67.67	260
6000	-	-	35.027	27.825	27.825	33.825	33.825	33.825	33.825	67.67	67.67	268
6200	-	-	35.033	27.827	27.827	33.827	33.827	33.827	33.827	67.67	67.67	275
6400	-	-	35.038	27.829	27.829	33.829	33.829	33.829	33.829	67.67	67.67	283
6600	-	-	35.042	27.831	27.831	33.831	33.831	33.831	33.831	67.67	67.67	290
6800	-	-	35.045	27.833	27.833	33.833	33.833	33.833	33.833	67.67	67.67	298
7000	-	-	35.047	27.835	27.835	33.835	33.835	33.835	33.835	67.67	67.67	305
7200	-	-	35.049	27.837	27.837	33.837	33.837	33.837	33.837	67.67	67.67	313
7400	-	-	35.050	27.839	27.839	33.839	33.839	33.839	33.839	67.67	67.67	320
7600	-	-	35.051	27.841	27.841	33.841	33.841	33.841	33.841	67.67	67.67	328
7800	-	-	35.052	27.843	27.843	33.843	33.843	33.843	33.843	67.67	67.67	335
8000	-	-	35.053	27.845	27.845	33.845	33.845	33.845	33.845	67.67	67.67	343
8200	-	-	35.054	27.847	27.847	33.847	33.847	33.847	33.847	67.67	67.67	350
8400	-	-	35.055	27.849	27.849	33.849	33.849	33.849	33.849	67.67	67.67	358
8600	-	-	35.056	27.851	27.851	33.851	33.851	33.851	33.851	67.67	67.67	365
8800	-	-	35.057	27.853	27.853	33.853	33.853	33.853	33.853	67.67	67.67	373
9000	-	-	35.058	27.855	27.855	33.855	33.855	33.855	33.855	67.67	67.67	380
9200	-	-	35.059	27.857	27.857	33.857	33.857	33.857	33.857	67.67	67.67	388
9400	-	-	35.060	27.859	27.859	33.859	33.859	33.859	33.859	67.67	67.67	395
9600	-	-	35.061	27.861	27.861	33.861	33.861	33.861	33.861	67.67	67.67	403
9800	-	-	35.062	27.863	27.863	33.863	33.863	33.863	33.863	67.67	67.67	410
10000	-	-	35.063	27.865	27.865	33.865	33.865	33.865	33.865	67.67	67.67	418

DE	TEMP	THETA	SAL	OXY	SIL	PO4	SGM-T	SGM-O	SGM-2	SGM-4	FLAG
18	-1.07	-1.08	34.074	8.08			27.43	27.43	33.43	45.81	
100	-1.07	-1.08	34.177	8.08			27.51	27.51	33.51	45.81	
200	-1.07	-1.08	34.409	8.08			27.74	27.74	33.74	45.81	
300	-1.07	-1.08	34.592	8.08			27.78	27.78	33.78	45.81	
400	-1.07	-1.08	34.667	8.08			27.80	27.80	33.80	45.81	
500	-1.07	-1.08	34.681	8.08			27.81	27.81	33.81	45.81	
600	-1.07	-1.08	34.694	8.08			27.82	27.82	33.82	45.81	
700	-1.07	-1.08	34.700	8.08			27.83	27.83	33.83	45.81	
800	-1.07	-1.08	34.707	8.08			27.84	27.84	33.84	45.81	
900	-1.07	-1.08	34.714	8.08			27.85	27.85	33.85	45.81	
1000	-1.07	-1.08	34.721	8.08			27.86	27.86	33.86	45.81	
1100	-1.07	-1.08	34.728	8.08			27.87	27.87	33.87	45.81	
1200	-1.07	-1.08	34.735	8.08			27.88	27.88	33.88	45.81	
1300	-1.07	-1.08	34.742	8.08			27.89	27.89	33.89	45.81	
1400	-1.07	-1.08	34.749	8.08			27.90	27.90	33.90	45.81	
1500	-1.07	-1.08	34.756	8.08			27.91	27.91	33.91	45.81	
1600	-1.07	-1.08	34.763	8.08			27.92	27.92	33.92	45.81	
1700	-1.07	-1.08	34.770	8.08			27.93	27.93	33.93	45.81	
1800	-1.07	-1.08	34.777	8.08			27.94	27.94	33.94	45.81	
1900	-1.07	-1.08	34.784	8.08			27.95	27.95	33.95	45.81	
2000	-1.07	-1.08	34.791	8.08			27.96	27.96	33.96	45.81	
2100	-1.07	-1.08	34.798	8.08			27.97	27.97	33.97	45.81	
2200	-1.07	-1.08	34.805	8.08			27.98	27.98	33.98	45.81	
2300	-1.07	-1.08	34.812	8.08			27.99	27.99	33.99	45.81	
2400	-1.07	-1.08	34.819	8.08			28.00	28.00	34.00	45.81	
2500	-1.07	-1.08	34.826	8.08			28.01	28.01	34.01	45.81	
2600	-1.07	-1.08	34.833	8.08			28.02	28.02	34.02	45.81	
2700	-1.07	-1.08	34.840	8.08			28.03	28.03	34.03	45.81	
2800	-1.07	-1.08	34.847	8.08			28.04	28.04	34.04	45.81	
2900	-1.07	-1.08	34.854	8.08			28.05	28.05	34.05	45.81	
3000	-1.07	-1.08	34.861	8.08			28.06	28.06	34.06	45.81	
3100	-1.07	-1.08	34.868	8.08			28.07	28.07	34.07	45.81	
3200	-1.07	-1.08	34.875	8.08			28.08	28.08	34.08	45.81	
3300	-1.07	-1.08	34.882	8.08			28.09	28.09	34.09	45.81	
3400	-1.07	-1.08	34.889	8.08			28.10	28.10	34.10	45.81	
3500	-1.07	-1.08	34.896	8.08			28.11	28.11	34.11	45.81	
3600	-1.07	-1.08	34.903	8.08			28.12	28.12	34.12	45.81	
3700	-1.07	-1.08	34.910	8.08			28.13	28.13	34.13	45.81	
3800	-1.07	-1.08	34.917	8.08			28.14	28.14	34.14	45.81	
3900	-1.07	-1.08	34.924	8.08			28.15	28.15	34.15	45.81	
4000	-1.07	-1.08	34.931	8.08			28.16	28.16	34.16	45.81	
4100	-1.07	-1.08	34.938	8.08			28.17	28.17	34.17	45.81	
4200	-1.07	-1.08	34.945	8.08			28.18	28.18	34.18	45.81	
4300	-1.07	-1.08	34.952	8.08			28.19	28.19	34.19	45.81	
4400	-1.07	-1.08	34.959	8.08			28.20	28.20	34.20	45.81	
4500	-1.07	-1.08	34.966	8.08			28.21	28.21	34.21	45.81	
4600	-1.07	-1.08	34.973	8.08			28.22	28.22	34.22	45.81	
4700	-1.07	-1.08	34.980	8.08			28.23	28.23	34.23	45.81	
4800	-1.07	-1.08	34.987	8.08			28.24	28.24	34.24	45.81	
4900	-1.07	-1.08	34.994	8.08			28.25	28.25	34.25	45.81	
5000	-1.07	-1.08	34.999	8.08			28.26	28.26	34.26	45.81	
5100	-1.07	-1.08	35.004	8.08			28.27	28.27	34.27	45.81	
5200	-1.07	-1.08	35.009	8.08							

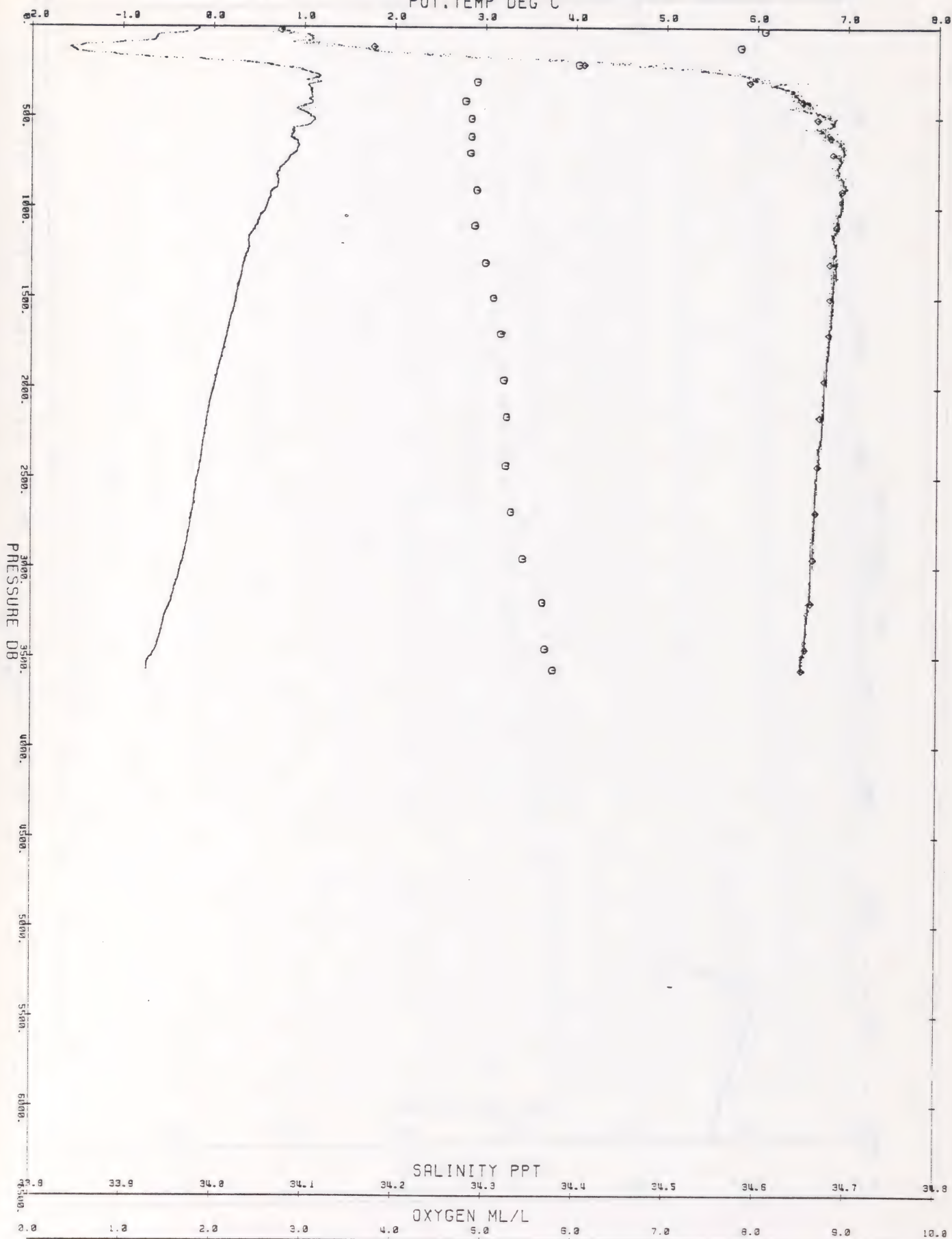
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ST 10

LAT -53.270

LONG -31.191

POT. TEMP DEG C





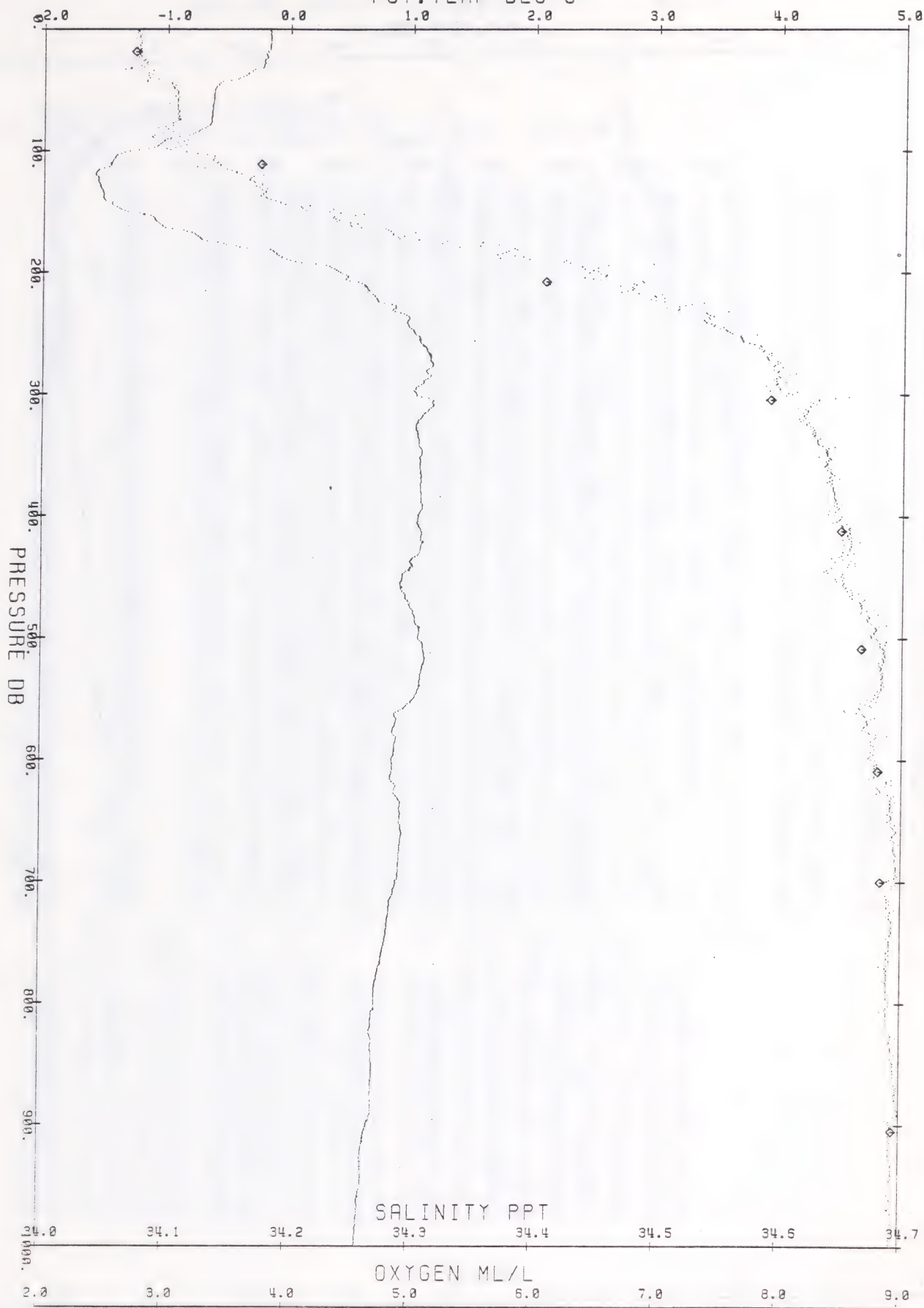
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ST 10

LAT -53.270

LONG -31.191

POT. TEMP DEG C

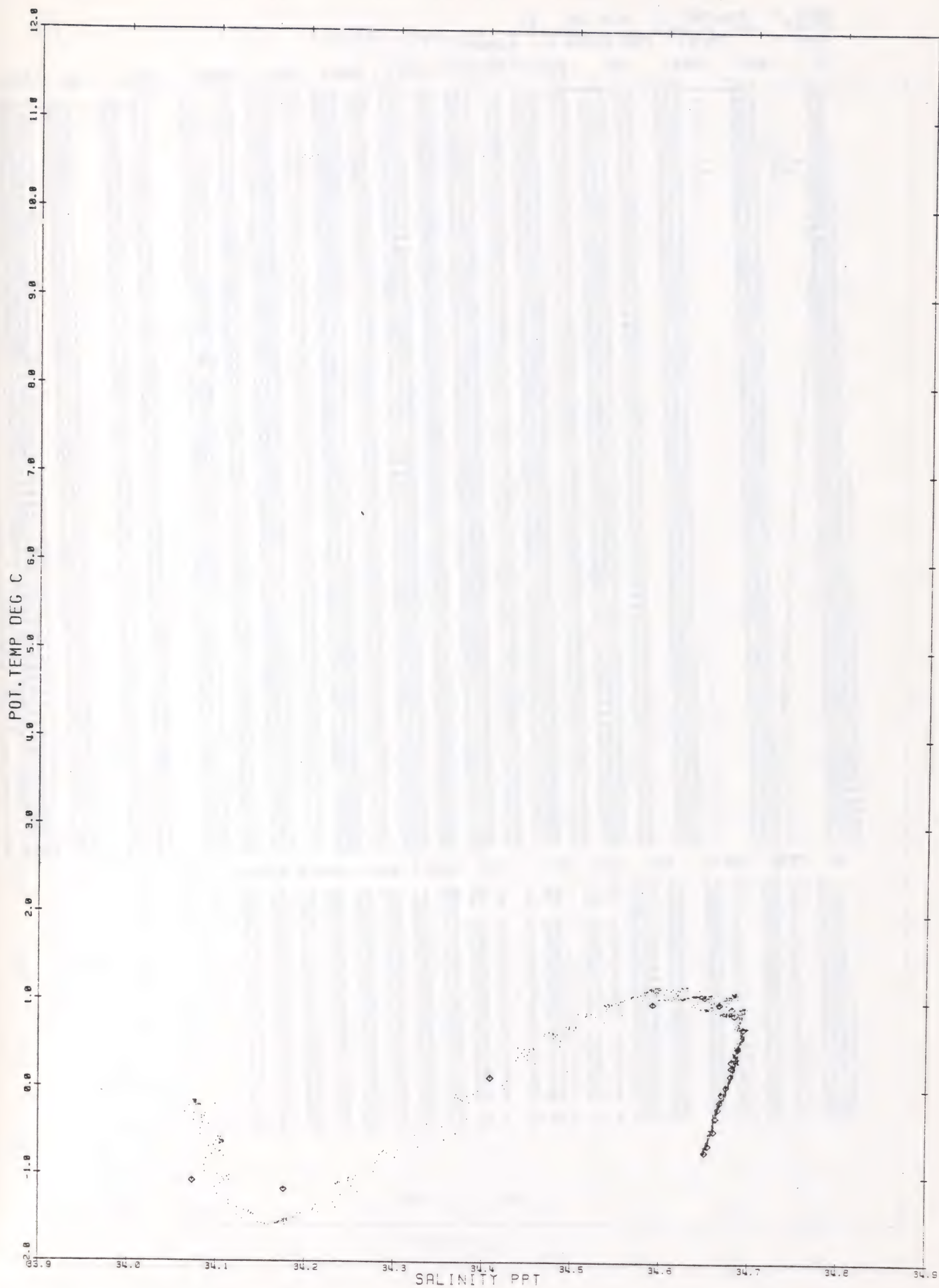


IO11

ST 10

LAT -53.270

LONG -31.191





SHIP ID CRUISE 11 STATION 11  
START 54 19.70 S 30 27.10 W AT 107 76/11/11  
WIND = 7M/S COR. DEPTH = 5108M

DE	TEMP	THETA	SAL	SGM-T	SGM-O	SGM-1	SGM-2	SGM-3	SGM-4	AN	HZ	SVEL
0	354	354	33.997	27.344	27.344	33.096	36.732	41.255	45.671	74.07	000	1445.4
20	355	357	34.078	27.409	27.409	33.161	36.796	41.318	45.734	67.83	014	1445.8
40	356	358	34.081	27.410	27.410	33.161	36.796	41.319	45.734	67.74	028	1446.3
60	357	359	34.091	27.421	27.421	33.165	36.801	41.325	45.741	67.36	041	1446.3
80	358	360	34.102	27.438	27.438	33.173	36.808	41.332	45.748	66.97	055	1446.7
100	359	361	34.109	27.450	27.450	33.173	36.808	41.332	45.748	66.83	068	1446.7
120	360	362	34.139	27.480	27.480	33.196	36.837	41.366	45.787	66.64	080	1446.6
140	361	363	34.179	27.520	27.520	33.249	36.900	41.439	45.870	66.64	080	1444.9
160	362	364	34.236	27.570	27.570	33.333	36.980	41.513	45.939	66.69	092	1444.2
180	363	365	34.336	27.618	27.618	33.367	37.000	41.539	45.934	66.69	103	1444.4
200	364	366	34.429	27.674	27.674	33.367	37.000	41.539	45.934	66.69	113	1444.8
220	365	367	34.484	27.704	27.704	33.367	37.000	41.539	45.934	66.69	122	1445.1
240	366	368	34.511	27.722	27.722	33.367	37.000	41.539	45.934	66.69	130	1445.2
260	367	369	34.581	27.763	27.763	33.367	37.000	41.539	45.934	66.69	138	1445.3
280	368	370	34.603	27.771	27.771	33.367	37.000	41.539	45.934	66.69	145	1445.5
300	369	371	34.621	27.784	27.784	33.367	37.000	41.539	45.934	66.69	152	1445.6
320	370	372	34.634	27.791	27.791	33.367	37.000	41.539	45.934	66.69	159	1445.7
340	371	373	34.649	27.801	27.801	33.367	37.000	41.539	45.934	66.69	167	1445.9
360	372	374	34.658	27.808	27.808	33.367	37.000	41.539	45.934	66.69	175	1446.0
380	373	375	34.673	27.816	27.816	33.367	37.000	41.539	45.934	66.69	183	1446.1
400	374	376	34.682	27.823	27.823	33.367	37.000	41.539	45.934	66.69	191	1446.2
420	375	377	34.688	27.829	27.829	33.367	37.000	41.539	45.934	66.69	199	1446.3
440	376	378	34.690	27.833	27.833	33.367	37.000	41.539	45.934	66.69	207	1446.4
460	377	379	34.699	27.841	27.841	33.367	37.000	41.539	45.934	66.69	215	1446.5
480	378	380	34.703	27.847	27.847	33.367	37.000	41.539	45.934	66.69	223	1446.6
500	379	381	34.708	27.851	27.851	33.367	37.000	41.539	45.934	66.69	231	1446.7
520	380	382	34.711	27.853	27.853	33.367	37.000	41.539	45.934	66.69	239	1446.8
540	381	383	34.714	27.855	27.855	33.367	37.000	41.539	45.934	66.69	247	1446.9
560	382	384	34.716	27.856	27.856	33.367	37.000	41.539	45.934	66.69	255	1447.0
580	383	385	34.718	27.857	27.857	33.367	37.000	41.539	45.934	66.69	263	1447.1
600	384	386	34.719	27.858	27.858	33.367	37.000	41.539	45.934	66.69	271	1447.2
620	385	387	34.720	27.859	27.859	33.367	37.000	41.539	45.934	66.69	279	1447.3
640	386	388	34.721	27.860	27.860	33.367	37.000	41.539	45.934	66.69	287	1447.4
660	387	389	34.722	27.861	27.861	33.367	37.000	41.539	45.934	66.69	295	1447.5
680	388	390	34.723	27.862	27.862	33.367	37.000	41.539	45.934	66.69	303	1447.6
700	389	391	34.724	27.863	27.863	33.367	37.000	41.539	45.934	66.69	311	1447.7
720	390	392	34.725	27.864	27.864	33.367	37.000	41.539	45.934	66.69	319	1447.8
740	391	393	34.726	27.865	27.865	33.367	37.000	41.539	45.934	66.69	327	1447.9
760	392	394	34.727	27.866	27.866	33.367	37.000	41.539	45.934	66.69	335	1448.0
780	393	395	34.728	27.867	27.867	33.367	37.000	41.539	45.934	66.69	343	1448.1
800	394	396	34.729	27.868	27.868	33.367	37.000	41.539	45.934	66.69	351	1448.2
820	395	397	34.730	27.869	27.869	33.367	37.000	41.539	45.934	66.69	359	1448.3
840	396	398	34.731	27.870	27.870	33.367	37.000	41.539	45.934	66.69	367	1448.4
860	397	399	34.732	27.871	27.871	33.367	37.000	41.539	45.934	66.69	375	1448.5
880	398	400	34.733	27.872	27.872	33.367	37.000	41.539	45.934	66.69	383	1448.6
900	399	401	34.734	27.873	27.873	33.367	37.000	41.539	45.934	66.69	391	1448.7
920	400	402	34.735	27.874	27.874	33.367	37.000	41.539	45.934	66.69	399	1448.8
940	401	403	34.736	27.875	27.875	33.367	37.000	41.539	45.934	66.69	407	1448.9
960	402	404	34.737	27.876	27.876	33.367	37.000	41.539	45.934	66.69	415	1449.0
980	403	405	34.738	27.877	27.877	33.367	37.000	41.539	45.934	66.69	423	1449.1
1000	404	406	34.739	27.878	27.878	33.367	37.000	41.539	45.934	66.69	431	1449.2
1020	405	407	34.740	27.879	27.879	33.367	37.000	41.539	45.934	66.69	439	1449.3
1040	406	408	34.741	27.880	27.880	33.367	37.000	41.539	45.934	66.69	447	1449.4
1060	407	409	34.742	27.881	27.881	33.367	37.000	41.539	45.934	66.69	455	1449.5
1080	408	410	34.743	27.882	27.882	33.367	37.000	41.539	45.934	66.69	463	1449.6
1100	409	411	34.744	27.883	27.883	33.367	37.000	41.539	45.934	66.69	471	1449.7
1120	410	412	34.745	27.884	27.884	33.367	37.000	41.539	45.934	66.69	479	1449.8
1140	411	413	34.746	27.885	27.885	33.367	37.000	41.539	45.934	66.69	487	1449.9
1160	412	414	34.747	27.886	27.886	33.367	37.000	41.539	45.934	66.69	495	1450.0
1180	413	415	34.748	27.887	27.887	33.367	37.000	41.539	45.934	66.69	503	1450.1
1200	414	416	34.749	27.888	27.888	33.367	37.000	41.539	45.934	66.69	511	1450.2
1220	415	417	34.750	27.889	27.889	33.367	37.000	41.539	45.934	66.69	519	1450.3
1240	416	418	34.751	27.890	27.890	33.367	37.000	41.539	45.934	66.69	527	1450.4
1260	417	419	34.752	27.891	27.891	33.367	37.000	41.539	45.934	66.69	535	1450.5
1280	418	420	34.753	27.892	27.892	33.367	37.000	41.539	45.934	66.69	543	1450.6
1300	419	421	34.754	27.893	27.893	33.367	37.000	41.539	45.934	66.69	551	1450.7
1320	420	422	34.755	27.894	27.894	33.367	37.000	41.539	45.934	66.69	559	1450.8
1340	421	423	34.756	27.895	27.895	33.367	37.000	41.539	45.934	66.69	567	1450.9
1360	422	424	34.757	27.896	27.896	33.367	37.000	41.539	45.934	66.69	575	1451.0
1380	423	425	34.758	27.897	27.897	33.367	37.000	41.539	45.934	66.69	583	1451.1
1400	424	426	34.759	27.898	27.898	33.367	37.000	41.539	45.934	66.69	591	1451.2
1420	425	427	34.760	27.899	27.899	33.367	37.000	41.539	45.934	66.69	599	1451.3
1440	426	428	34.761	27.900	27.900	33.367	37.000	41.539	45.934	66.69	607	1451.4
1460	427	429	34.762	27.901	27.901	33.367	37.000	41.539	45.934	66.69	615	1451.5
1480	428	430	34.763	27.902	27.902	33.367	37.000	41.539	45.934	66.69	623	1451.6
1500	429	431	34.764	27.903	27.903	33.367	37.000	41.539	45.934	66.69	631	1451.7
1520	430	432	34.765	27.904	27.904	33.367	37.000	41.539	45.934	66.69	639	1451.8
1540	431	433	34.766	27.905	27.905	33.367	37.000	41.539	45.934	66.69	647	1451.9
1560	432	434	34.767	27.906	27.906	33.367	37.000	41.539	45.934	66.69	655	1452.0
1580	433	435	34.768	27.907	27.907	33.367	37.000	41.539	45.934	66.69	663	1452.1
1600	434	436	34.769	27.908	27.908	33.367	37.000	41.539	45.934	66.69	671	1452.2
1620	435	437	34.770	27.909	27.909	33.367	37.000	41.539	45.934	66.69	679	1452.3
1640	436	438	34.771	27.910	27.910	33.367	37.000	41.539	45.934	66.69	687	1452.4
1660	437	439	34.772	27.911	27.911	33.367	37.000	41.539	45.934	66.69	695	1452.5
1680	438	440	34.773	27.912	27.912	33.367	37.000	41.539	45.934	66.69	703	1452.6
1700	439	441	34.774	27.913	27.913	33.367	37.000	41.539	45.934	66.69	711	1452.7
1720	440	442	34.775	27.914	27.914	33.367	37.000	41.539	45.934	66.69	719	1452.8
1740	441	443	34.776	27.915	27.915	33.367	37.000	41.539	45.934	66.69	727	1452.9
1760	442	444	34.777	27.916	27.916	33.367	37.000	41.539	45.934	66.69	735	1453.0
1780	443	445	34.778	27.917	27.917	33.367	37.000	41.539	45.934	66.69	743	1453.1
1800	444	446	34.779	27.918	27.918							



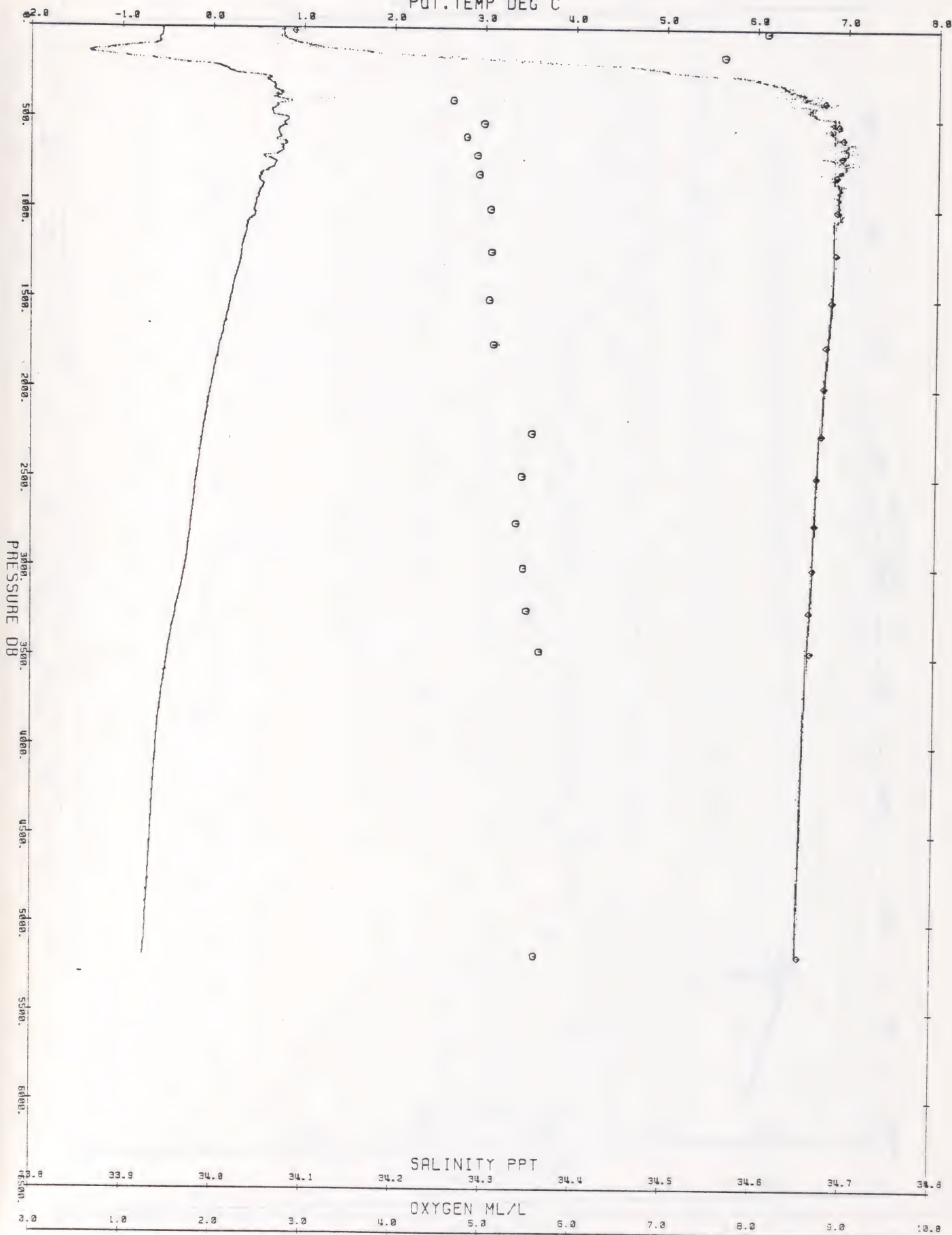
1011

ST 11

LAT -54.197

LONG -30.271

POT. TEMP DEG C





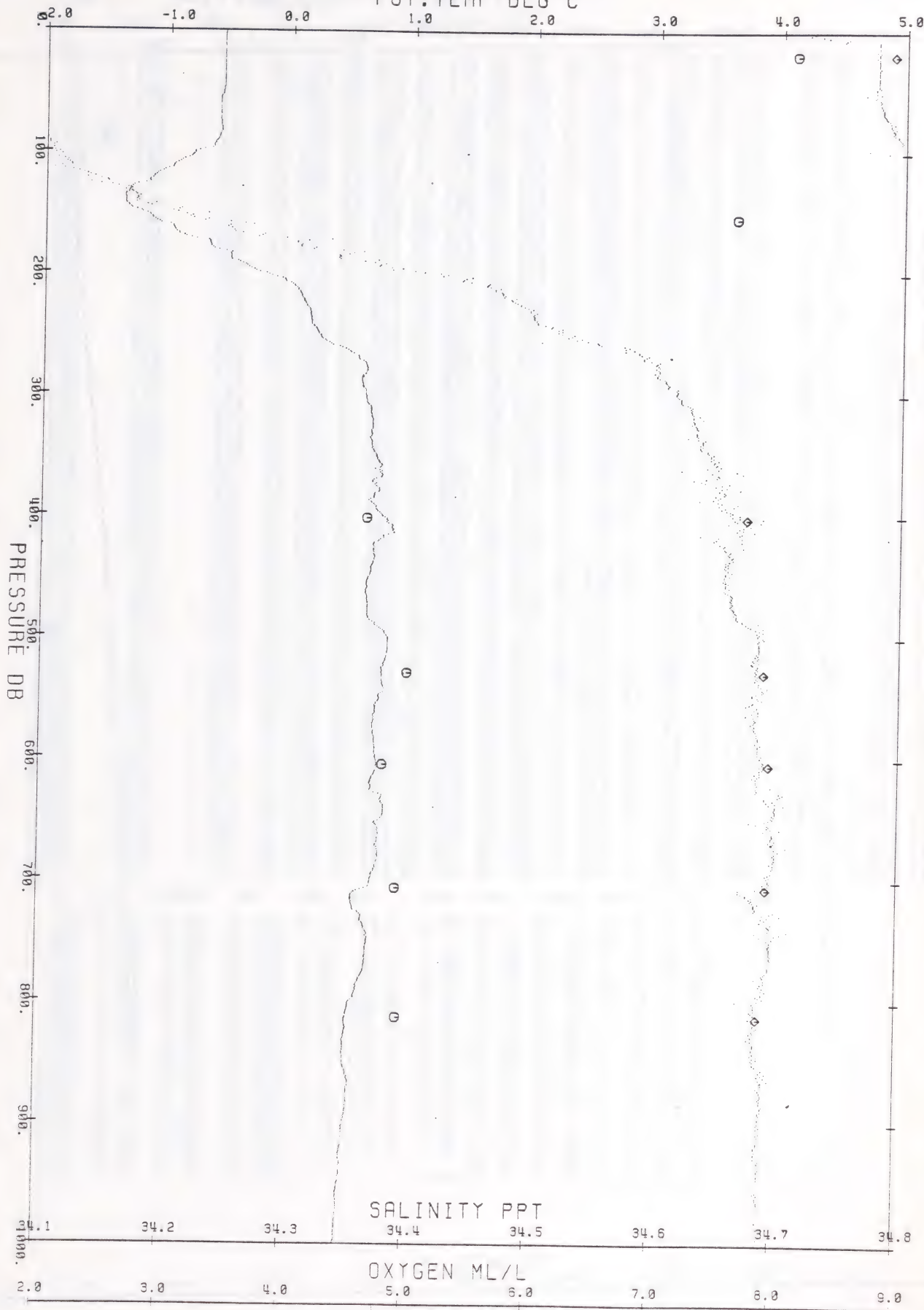
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ST 11

LAT -54.197

LONG -30.271

POT. TEMP DEG C

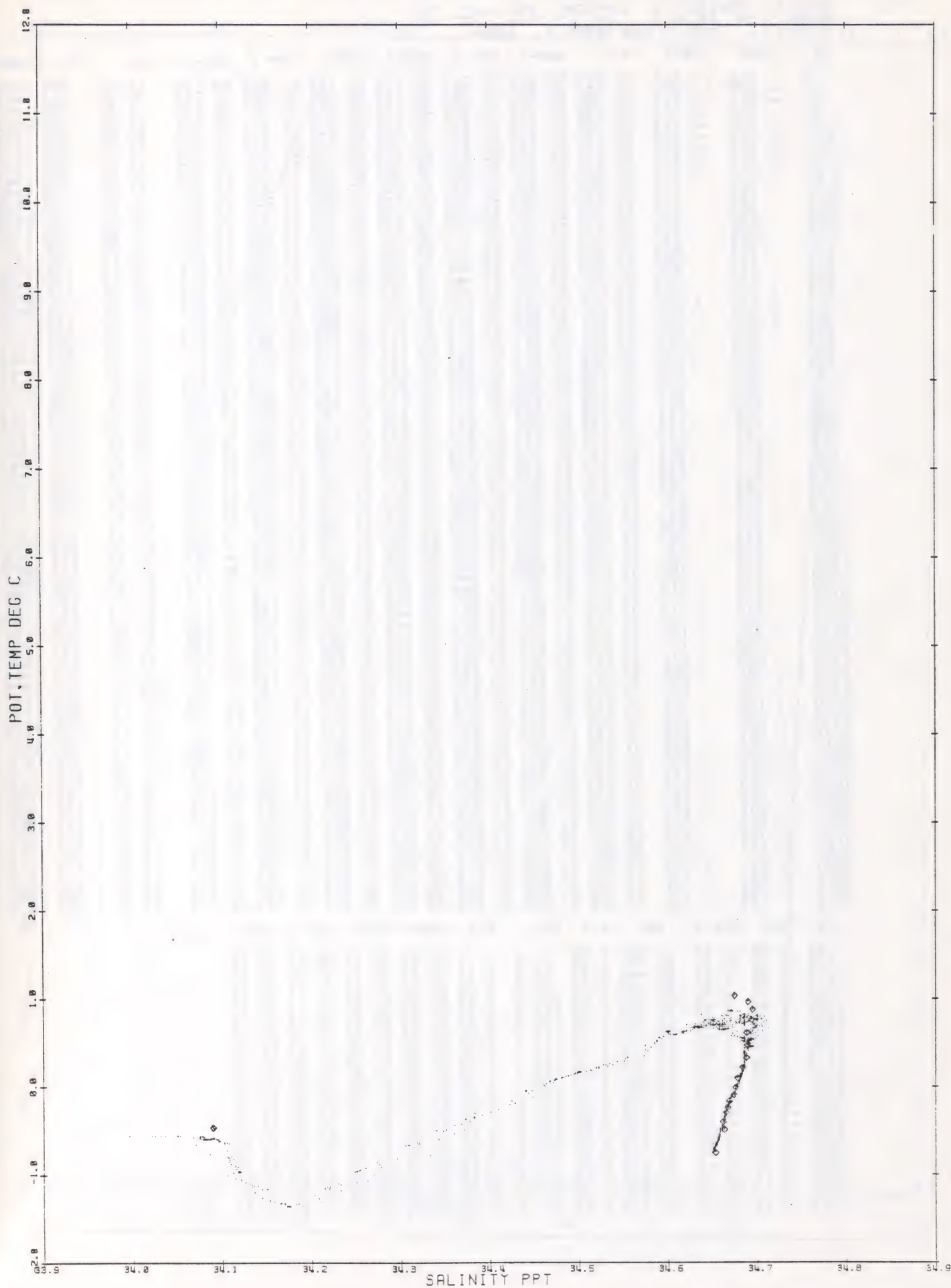


IO11

ST 11

LAT -54.197

LONG -30.271





SHIP ID CRUISE 11 STATION 12  
START 54 49.40 S 30 2.10 W AT 957 76/11/11  
WIND = 7M/S COR. DEPTH = 6808M

[illegible][illegible]



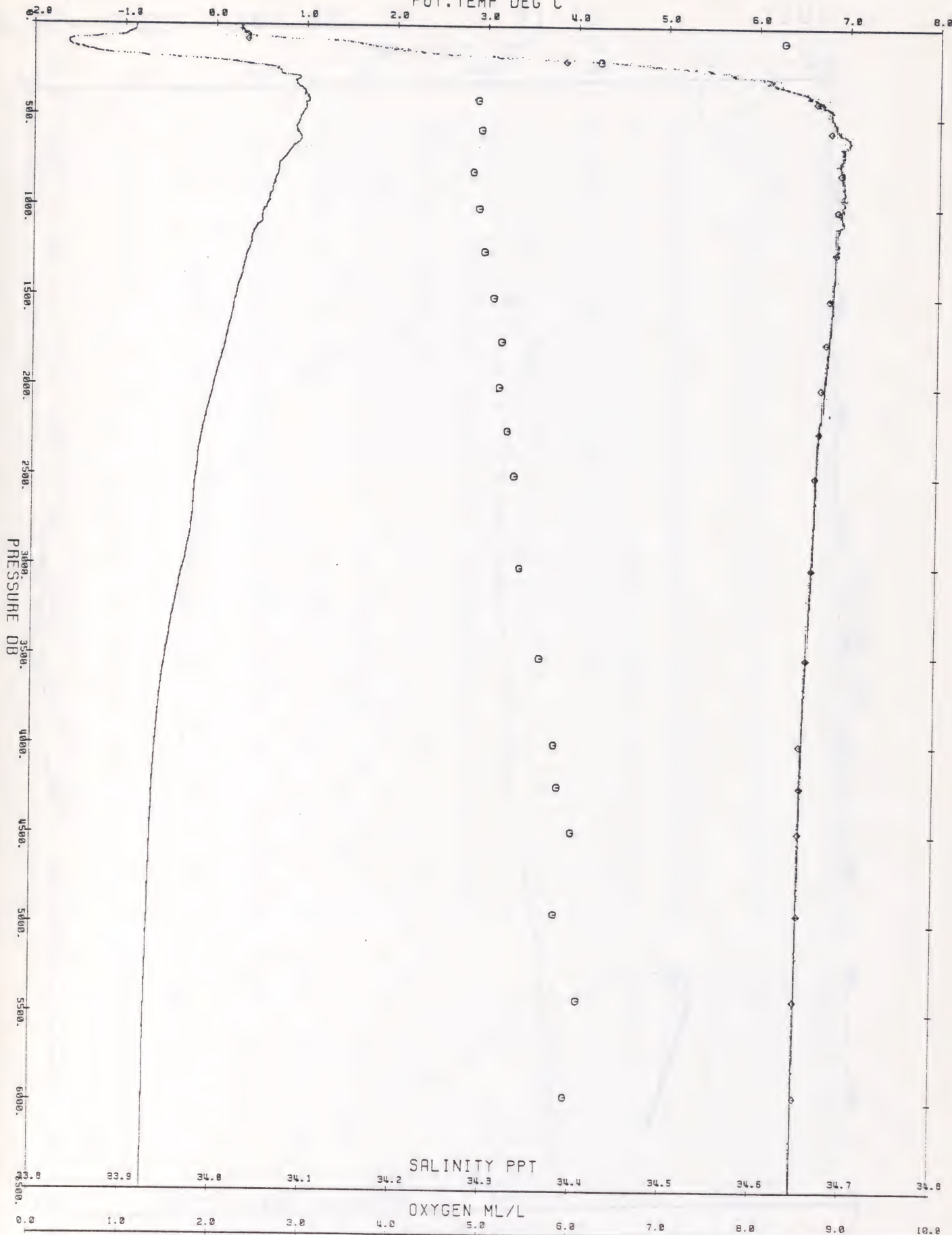
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ST 12

LAT -54.494

LONG -30.021

POT. TEMP DEG C





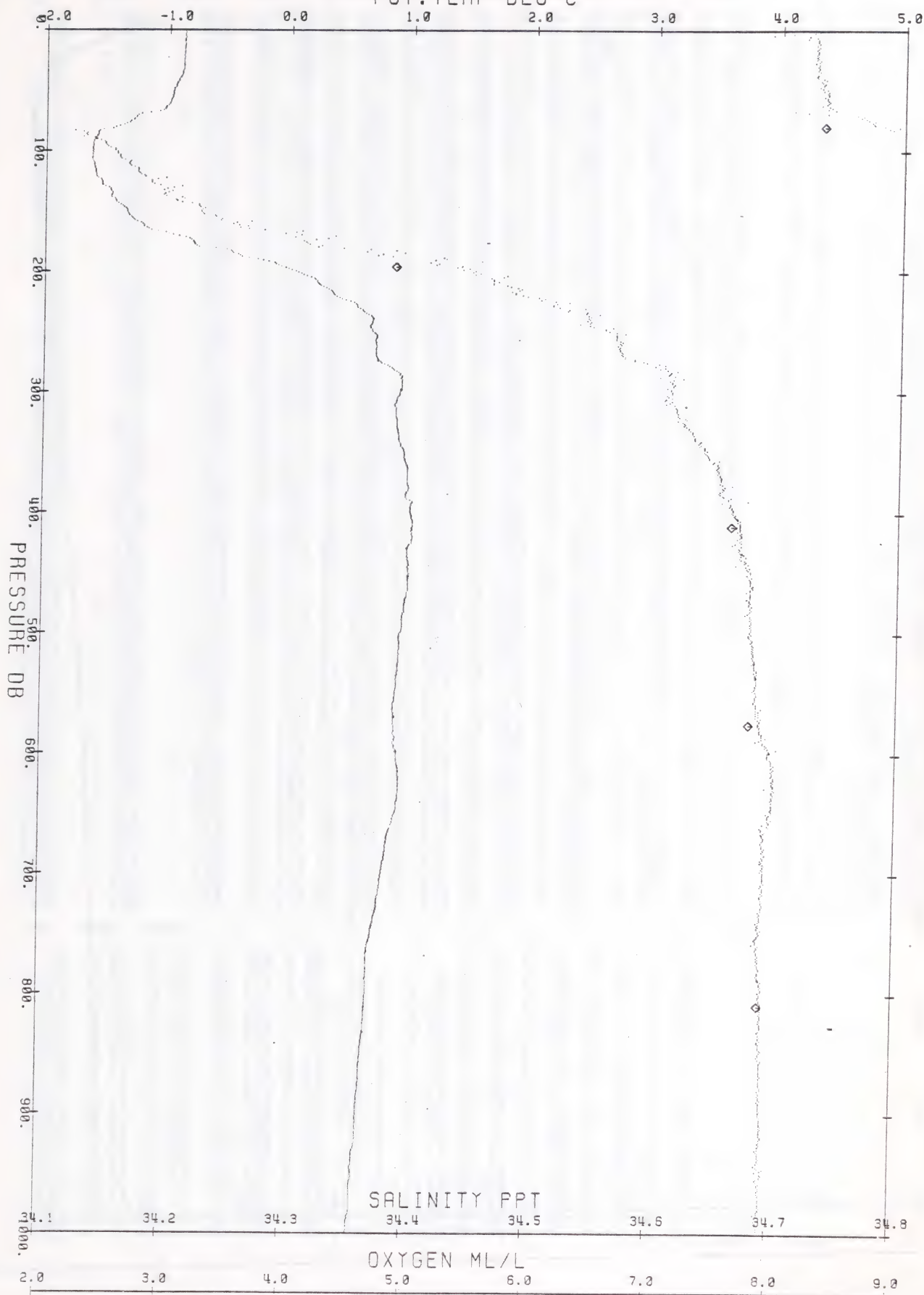
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ST 12

LAT -54.494

LONG -30.021

POT. TEMP DEG C

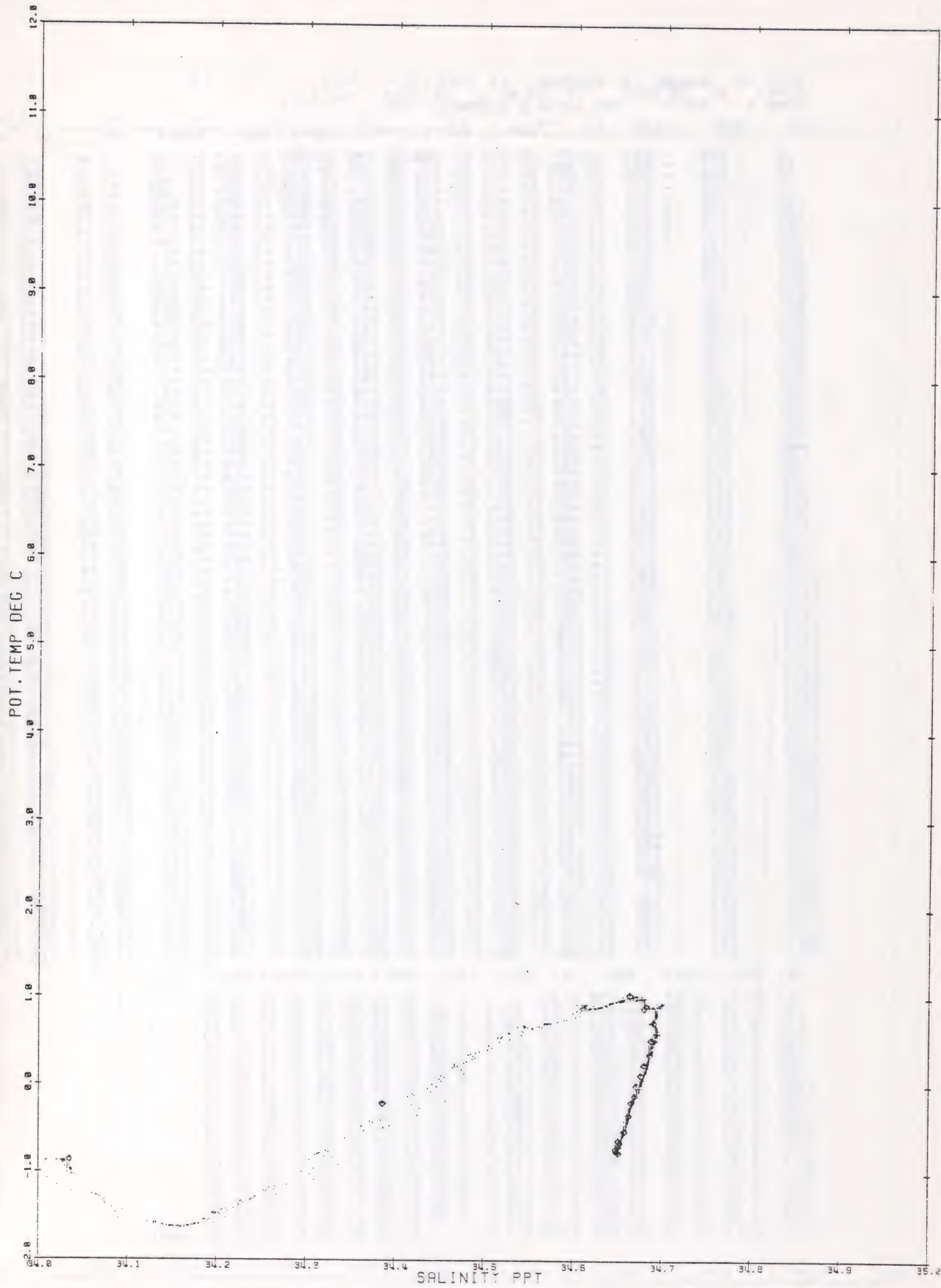


IO11

ST 12

LAT -54.494

LONG -30.021





SHIP ID CRUISE 11 STATION 13  
 START 54 56.40 S 29 54.80 W AT 1738 76/11/11  
 WIND = 26M/S COR. DEPTH = 7088M

DE	TEMP	THETA	SAL	SGM-T	SGM-O	SGM-1	SGM-2	SGM-3	SGM-4	AN	HZ	SVEL
0	823	823	34.031	27.382	27.382	33.142	36.786	41.317	45.739	70.44	.000	1444.2
20	847	847	34.066	27.411	27.411	33.172	36.815	41.347	45.770	67.62	.014	1444.4
40	932	933	34.066	27.414	27.414	33.177	36.823	41.357	45.783	67.29	.027	1444.4
60	940	941	34.067	27.415	27.415	33.179	36.825	41.359	45.785	67.09	.041	1444.6
80	1062	1064	34.064	27.417	27.417	33.184	36.834	41.372	45.802	66.80	.054	1444.4
100	1304	1307	34.128	27.478	27.478	33.252	36.909	41.453	45.889	60.91	.067	1443.7
120	1470	1473	34.169	27.516	27.516	33.293	36.956	41.505	45.945	57.16	.079	1443.3
140	1377	1380	34.211	27.547	27.547	33.333	36.981	41.527	45.964	54.14	.090	1444.1
160	944	949	34.306	27.608	27.608	33.370	37.015	41.547	45.971	48.43	.100	1446.6
180	044	051	34.423	27.664	27.664	33.398	37.014	41.520	45.918	43.59	.109	1451.3
200	503	494	34.517	27.710	27.710	33.426	37.027	41.516	45.900	39.56	.118	1454.4
220	775	766	34.554	27.723	27.724	33.431	37.024	41.506	45.882	38.48	.125	1455.8
240	911	900	34.586	27.740	27.741	33.444	37.033	41.511	45.882	37.01	.133	1456.6
260	980	968	34.610	27.755	27.756	33.457	37.044	41.519	45.889	35.69	.140	1457.7
280	1055	1042	34.623	27.760	27.761	33.460	37.044	41.518	45.886	35.29	.147	1458.8
300	1080	1065	34.640	27.772	27.773	33.471	37.055	41.522	45.895	34.21	.154	1458.8
320	1115	1109	34.652	27.779	27.780	33.478	37.060	41.532	45.898	33.63	.163	1459.9
340	1136	1119	34.663	27.787	27.788	33.485	37.066	41.538	45.903	33.01	.171	1459.9
360	1129	1110	34.670	27.793	27.794	33.491	37.073	41.544	45.907	32.47	.179	1460.0
380	1107	1088	34.674	27.797	27.799	33.496	37.078	41.550	45.917	31.92	.187	1460.0
400	1086	1065	34.674	27.799	27.800	33.499	37.081	41.554	45.921	31.42	.195	1460.0
420	1034	1031	34.676	27.803	27.803	33.504	37.087	41.561	45.929	30.94	.203	1461.1
440	987	983	34.680	27.807	27.808	33.508	37.092	41.567	45.935	30.49	.211	1461.4
460	913	886	34.681	27.811	27.812	33.513	37.099	41.575	45.944	29.99	.219	1461.6
480	837	807	34.684	27.818	27.820	33.523	37.111	41.588	45.960	29.52	.226	1462.1
500	768	736	34.683	27.822	27.824	33.530	37.120	41.599	45.973	29.07	.234	1462.6
520	740	706	34.684	27.827	27.829	33.537	37.129	41.610	45.986	28.64	.249	1463.1
540	714	677	34.688	27.830	27.832	33.540	37.133	41.616	45.992	28.27	.264	1463.3
560	671	632	34.688	27.834	27.837	33.546	37.140	41.623	46.000	27.90	.279	1464.1
580	627	585	34.688	27.837	27.839	33.550	37.145	41.629	46.007	27.57	.293	1464.7
600	583	539	34.688	27.842	27.844	33.555	37.150	41.636	46.015	27.27	.307	1465.3
620	543	497	34.688	27.844	27.846	33.561	37.159	41.641	46.021	26.99	.322	1466.6
640	503	405	34.689	27.845	27.848	33.563	37.162	41.650	46.032	26.73	.336	1467.7
660	468	405	34.689	27.848	27.851	33.568	37.170	41.661	46.043	26.49	.351	1468.8
680	433	368	34.689	27.850	27.853	33.572	37.175	41.667	46.052	26.27	.363	1469.9
700	400	332	34.689	27.853	27.857	33.577	37.181	41.674	46.060	26.07	.377	1470.9
720	368	300	34.689	27.855	27.858	33.579	37.185	41.679	46.067	25.89	.391	1471.9
740	338	269	34.689	27.857	27.861	33.582	37.189	41.684	46.073	25.73	.405	1472.9
760	308	239	34.689	27.859	27.863	33.584	37.192	41.689	46.079	25.59	.419	1473.9
780	278	209	34.689	27.861	27.865	33.587	37.196	41.694	46.086	25.47	.433	1474.9
800	248	179	34.689	27.863	27.867	33.590	37.200	41.702	46.095	25.35	.447	1475.9
820	218	149	34.689	27.865	27.869	33.592	37.203	41.707	46.101	25.24	.461	1476.9
840	188	119	34.689	27.867	27.871	33.594	37.206	41.713	46.108	25.14	.475	1477.9
860	158	90	34.689	27.869	27.873	33.596	37.209	41.718	46.115	25.04	.489	1478.9
880	128	60	34.689	27.871	27.875	33.598	37.212	41.724	46.124	24.94	.503	1479.9
900	98	30	34.689	27.873	27.877	33.600	37.215	41.728	46.128	24.84	.517	1480.9
920	68	0	34.689	27.875	27.879	33.602	37.218	41.732	46.134	24.74	.531	1481.9
940	38	-30	34.689	27.877	27.881	33.604	37.221	41.736	46.137	24.64	.545	1482.9
960	8	-60	34.689	27.879	27.883	33.606	37.224	41.741	46.144	24.54	.559	1483.9
980	-22	-90	34.689	27.881	27.885	33.611	37.227	41.746	46.151	24.44	.573	1484.9
1000	-52	-120	34.689	27.883	27.887	33.614	37.230	41.750	46.157	24.34	.587	1485.9
1020	-82	-150	34.689	27.885	27.891	33.618	37.233	41.754	46.164	24.24	.601	1486.9
1040	-112	-180	34.689	27.887	27.895	33.621	37.236	41.759	46.171	24.14	.615	1487.9
1060	-142	-210	34.689	27.889	27.899	33.625	37.239	41.763	46.178	24.04	.629	1488.9
1080	-172	-240	34.689	27.891	27.903	33.628	37.242	41.768	46.184	23.94	.643	1489.9
1100	-202	-270	34.689	27.893	27.907	33.632	37.245	41.773	46.191	23.84	.657	1490.9
1120	-232	-300	34.689	27.895	27.911	33.636	37.248	41.778	46.198	23.74	.671	1491.9
1140	-262	-330	34.689	27.897	27.915	33.639	37.251	41.783	46.205	23.64	.685	1492.9
1160	-292	-360	34.689	27.899	27.919	33.643	37.254	41.788	46.212	23.54	.699	1493.9
1180	-322	-390	34.689	27.901	27.923	33.647	37.257	41.793	46.219	23.44	.713	1494.9
1200	-352	-420	34.689	27.903	27.927	33.651	37.260	41.798	46.226	23.34	.727	1495.9
1220	-382	-450	34.689	27.905	27.931	33.655	37.263	41.803	46.233	23.24	.741	1496.9
1240	-412	-480	34.689	27.907	27.935	33.659	37.266	41.808	46.240	23.14	.755	1497.9
1260	-442	-510	34.689	27.909	27.939	33.663	37.269	41.813	46.247	23.04	.769	1498.9
1280	-472	-540	34.689	27.911	27.943	33.667	37.272	41.818	46.254	22.94	.783	1499.9
1300	-502	-570	34.689	27.913	27.947	33.671	37.275	41.823	46.261	22.84	.797	1500.9
1320	-532	-600	34.689	27.915	27.951	33.675	37.278	41.828	46.268	22.74	.811	1501.9
1340	-562	-630	34.689	27.917	27.955	33.679	37.281	41.833	46.275	22.64	.825	1502.9
1360	-592	-660	34.689	27.919	27.959	33.683	37.284	41.838	46.282	22.54	.839	1503.9
1380	-622	-690	34.689	27.921	27.963	33.687	37.287	41.843	46.289	22.44	.853	1504.9
1400	-652	-720	34.689	27.923	27.967	33.691	37.290	41.848	46.296	22.34	.867	1505.9
1420	-682	-750	34.689	27.925	27.971	33.695	37.293	41.853	46.303	22.24	.881	1506.9
1440	-712	-780	34.689	27.927	27.975	33.699	37.296	41.858	46.310	22.14	.895	1507.9
1460	-742	-810	34.689	27.929	27.979	33.703	37.299	41.863	46.317	22.04	.909	1508.9
1480	-772	-840	34.689	27.931	27.983	33.707	37.302	41.868	46.324	21.94	.923	1509.9
1500	-802	-870	34.689	27.933	27.987	33.711	37.305	41.873	46.331	21.84	.937	1510.9
1520	-832	-900	34.689	27.935	27.991	33.715	37.308	41.878	46.338	21.74	.951	1511.9
1540	-862	-930	34.689	27.937	27.995	33.719	37.311	41.883	46.345	21.64	.965	1512.9
1560	-892	-960	34.689	27.939	27.999	33.723	37.314	41.888	46.352	21.54	.979	1513.9
1580	-922	-990	34.689	27.941	28.003	33.727	37.317	41.893	46.359	21.44	.993	1514.9
1600	-952	-1020	34.689	27.943	28.007	33.731	37.320	41.898	46.366	21.34	1.007	1515.9
1620	-982	-1050	34.689	27.945	28.011	33.735	37.323	41.903	46.373	21.24	1.021	1516.9
1640	-1012	-1080	34.689	27.947	28.015	33.739	37.326	41.908	46.380	21.14	1.035	1517.9
1660	-1042	-1110	34.689	27.949	28.019	33.743	37.329	41.913	46.387	21.04	1.049	1518.9
1680	-1072	-1140	34.689	27.951	28.023	33.747	37.332	41.918	46.394	20.94	1.063	1519.9
1700	-1102	-1170	34.689	27.953	28.027	33.751	37.335	41.923	46.401	20.84	1.077	1520.9
1720	-1132	-1200	34.689	27.955	28.031	33.755	37.338	41.928	46.408	20.74	1.091	1521.9
1740	-1162	-1230	34.689	27.957	28.035	33.759	37.341	41.933	46.415	20.64	1.105	1522.9
1760	-1192	-1260	34.689	27.959	28.039	33.763	37.344	41.938	46.422	20.54	1.119	1523.9
1780	-1222	-1290	34.689	27.961								



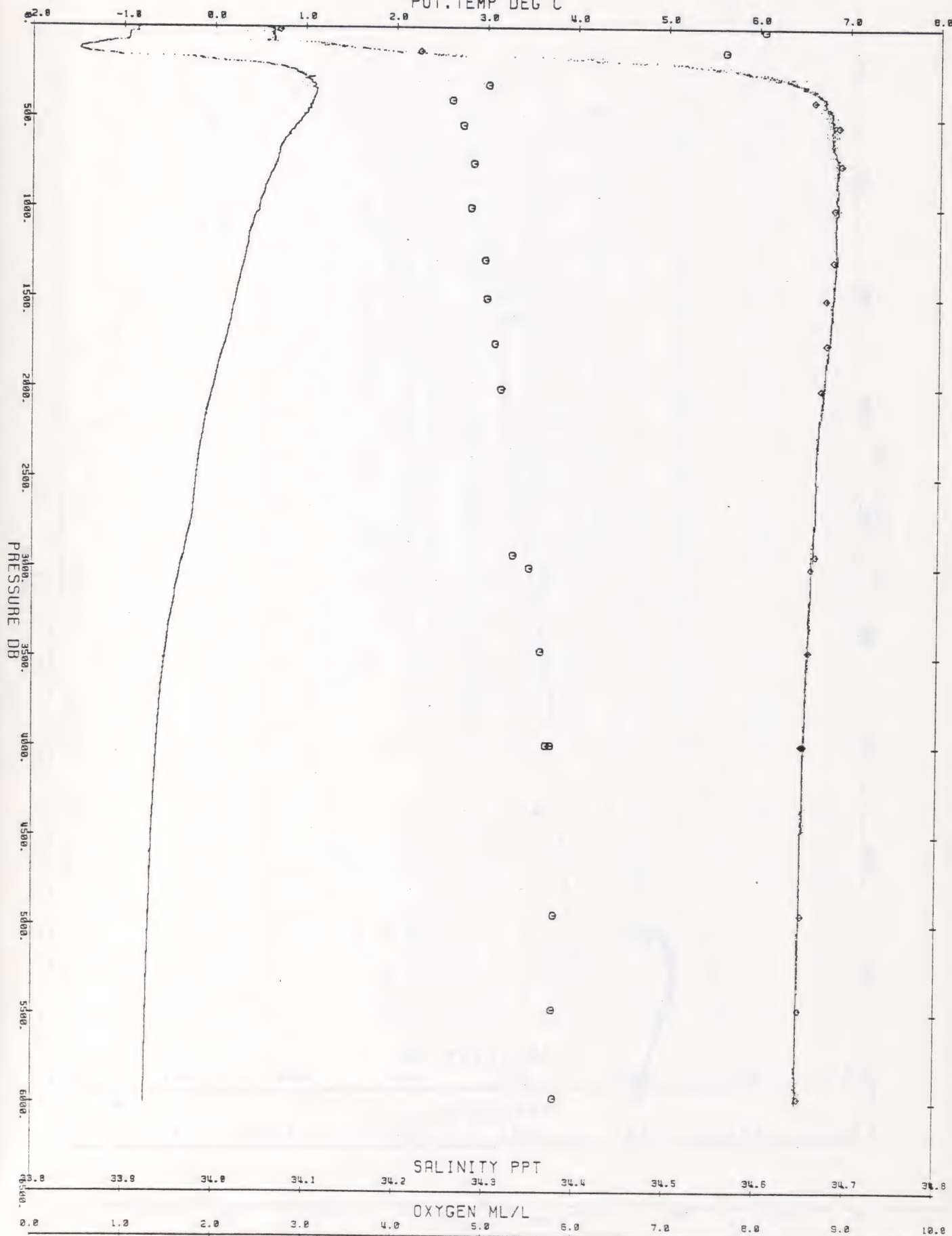
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ST 13

LAT -54.564

LONG -29.548

POT. TEMP DEG C





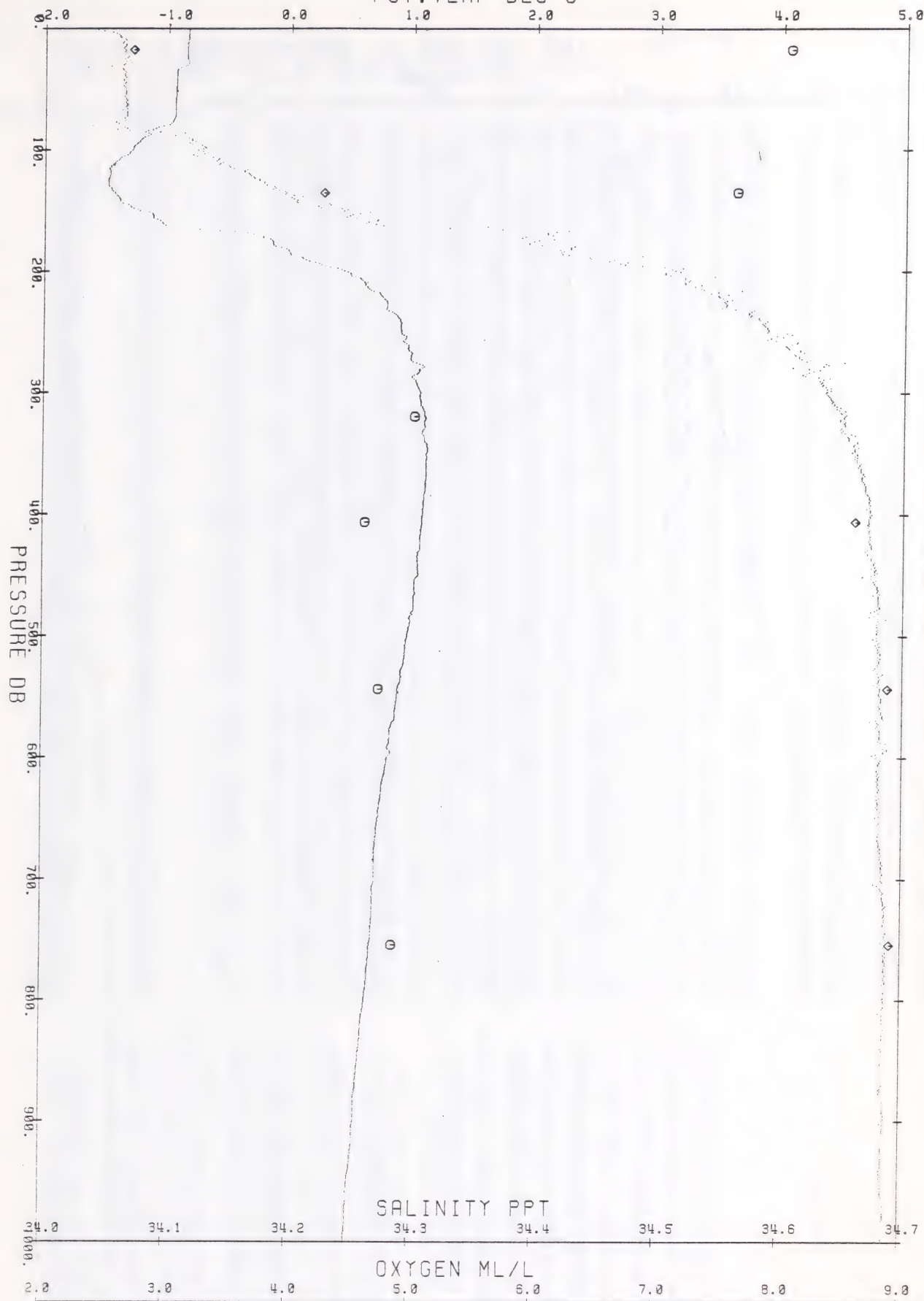
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ST 13

LAT -54.564

LONG -29.548

POT. TEMP DEG C

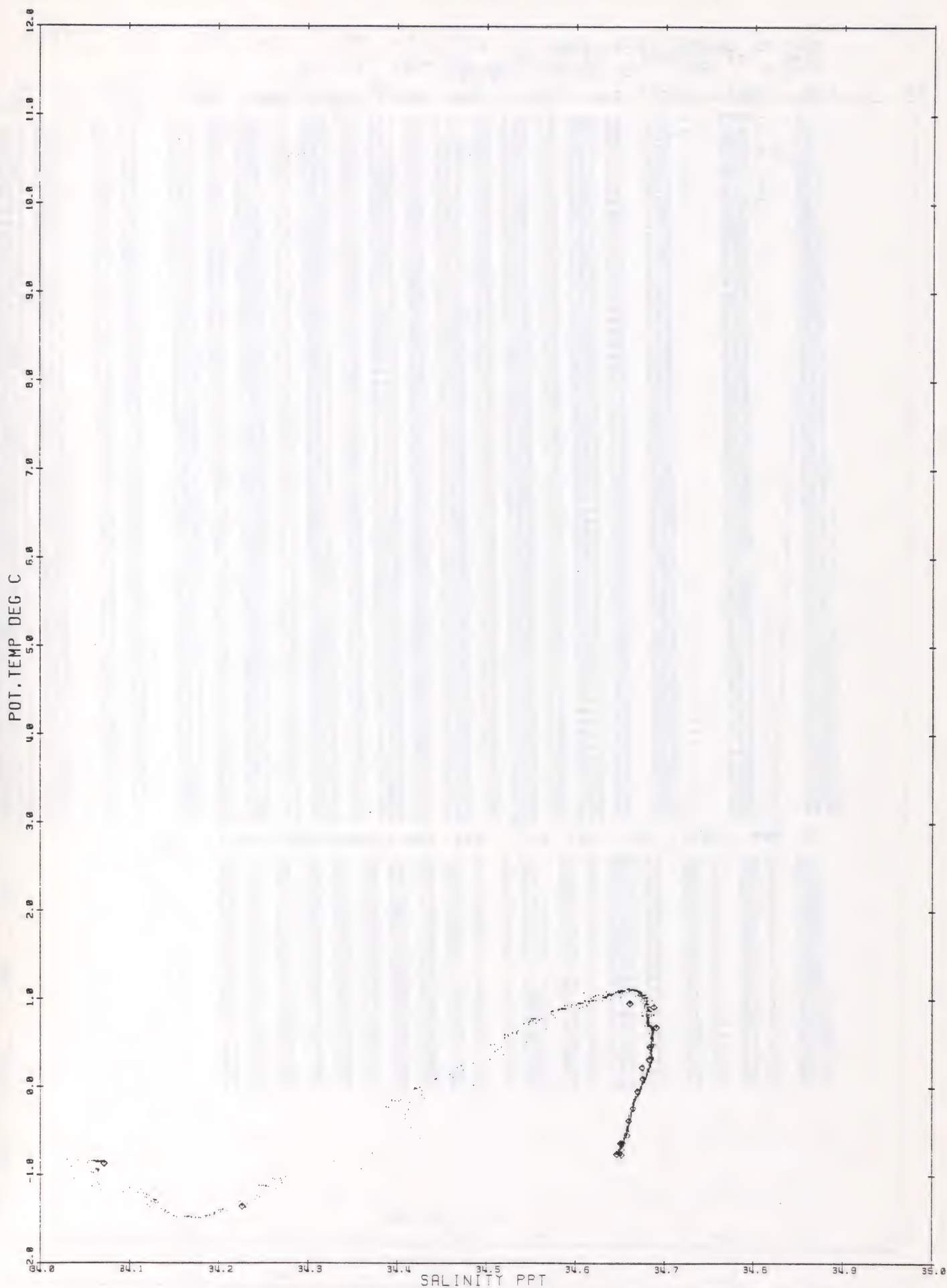


1011

ST 13

LAT -54.564

LONG -29.548





SHIP ID CRUISE 11 STATION 14  
 START 55 20.40 S 29 26.80 W AT 433 76/11/13  
 WIND = 9M/S COR. DEPTH = 3890M

DE	TEMP	THETA	SAL	SGM-T	SGM-0	SGM-1	SGM-2	SGM-3	SGM-4	AN	HZ	SVEL
0	-599	-599	34.082	27.415	27.414	332.167	36.803	41.327	45.744	67.39	.000	1445.3
20	-615	-616	34.083	27.416	27.416	332.169	36.806	41.330	45.747	67.19	.013	1445.5
40	-631	-632	34.084	27.417	27.417	332.171	36.809	41.333	45.750	66.99	.027	1445.7
60	-647	-648	34.085	27.418	27.418	332.173	36.812	41.336	45.753	66.79	.041	1445.9
80	-663	-664	34.086	27.419	27.419	332.175	36.815	41.339	45.756	66.59	.055	1446.1
100	-679	-680	34.087	27.420	27.420	332.177	36.818	41.342	45.759	66.39	.069	1446.3
120	-695	-696	34.088	27.421	27.421	332.179	36.821	41.345	45.762	66.19	.083	1446.5
140	-711	-712	34.089	27.422	27.422	332.181	36.824	41.348	45.765	65.99	.097	1446.7
160	-727	-728	34.090	27.423	27.423	332.183	36.827	41.351	45.768	65.79	.111	1446.9
180	-743	-744	34.091	27.424	27.424	332.185	36.830	41.354	45.771	65.59	.125	1447.1
200	-759	-760	34.092	27.425	27.425	332.187	36.833	41.357	45.774	65.39	.139	1447.3
220	-775	-776	34.093	27.426	27.426	332.189	36.836	41.360	45.777	65.19	.153	1447.5
240	-791	-792	34.094	27.427	27.427	332.191	36.839	41.363	45.780	64.99	.167	1447.7
260	-807	-808	34.095	27.428	27.428	332.193	36.842	41.366	45.783	64.79	.181	1447.9
280	-823	-824	34.096	27.429	27.429	332.195	36.845	41.369	45.786	64.59	.195	1448.1
300	-839	-840	34.097	27.430	27.430	332.197	36.848	41.372	45.789	64.39	.209	1448.3
320	-855	-856	34.098	27.431	27.431	332.199	36.851	41.375	45.792	64.19	.223	1448.5
340	-871	-872	34.099	27.432	27.432	332.201	36.854	41.378	45.795	63.99	.237	1448.7
360	-887	-888	34.100	27.433	27.433	332.203	36.857	41.381	45.798	63.79	.251	1448.9
380	-903	-904	34.101	27.434	27.434	332.205	36.860	41.384	45.801	63.59	.265	1449.1
400	-919	-920	34.102	27.435	27.435	332.207	36.863	41.387	45.804	63.39	.279	1449.3
420	-935	-936	34.103	27.436	27.436	332.209	36.866	41.390	45.807	63.19	.293	1449.5
440	-951	-952	34.104	27.437	27.437	332.211	36.869	41.393	45.810	62.99	.307	1449.7
460	-967	-968	34.105	27.438	27.438	332.213	36.872	41.396	45.813	62.79	.321	1449.9
480	-983	-984	34.106	27.439	27.439	332.215	36.875	41.399	45.816	62.59	.335	1450.1
500	-999	-1000	34.107	27.440	27.440	332.217	36.878	41.402	45.819	62.39	.349	1450.3
520	-1015	-1016	34.108	27.441	27.441	332.219	36.881	41.405	45.822	62.19	.363	1450.5
540	-1031	-1032	34.109	27.442	27.442	332.221	36.884	41.408	45.825	61.99	.377	1450.7
560	-1047	-1048	34.110	27.443	27.443	332.223	36.887	41.411	45.828	61.79	.391	1450.9
580	-1063	-1064	34.111	27.444	27.444	332.225	36.890	41.414	45.831	61.59	.405	1451.1
600	-1079	-1080	34.112	27.445	27.445	332.227	36.893	41.417	45.834	61.39	.419	1451.3
620	-1095	-1096	34.113	27.446	27.446	332.229	36.896	41.420	45.837	61.19	.433	1451.5
640	-1111	-1112	34.114	27.447	27.447	332.231	36.899	41.423	45.840	60.99	.447	1451.7
660	-1127	-1128	34.115	27.448	27.448	332.233	36.902	41.426	45.843	60.79	.461	1451.9
680	-1143	-1144	34.116	27.449	27.449	332.235	36.905	41.429	45.846	60.59	.475	1452.1
700	-1159	-1160	34.117	27.450	27.450	332.237	36.908	41.432	45.849	60.39	.489	1452.3
720	-1175	-1176	34.118	27.451	27.451	332.239	36.911	41.435	45.852	60.19	.503	1452.5
740	-1191	-1192	34.119	27.452	27.452	332.241	36.914	41.438	45.855	59.99	.517	1452.7
760	-1207	-1208	34.120	27.453	27.453	332.243	36.917	41.441	45.858	59.79	.531	1452.9
780	-1223	-1224	34.121	27.454	27.454	332.245	36.920	41.444	45.861	59.59	.545	1453.1
800	-1239	-1240	34.122	27.455	27.455	332.247	36.923	41.447	45.864	59.39	.559	1453.3
820	-1255	-1256	34.123	27.456	27.456	332.249	36.926	41.450	45.867	59.19	.573	1453.5
840	-1271	-1272	34.124	27.457	27.457	332.251	36.929	41.453	45.870	58.99	.587	1453.7
860	-1287	-1288	34.125	27.458	27.458	332.253	36.932	41.456	45.873	58.79	.601	1453.9
880	-1303	-1304	34.126	27.459	27.459	332.255	36.935	41.459	45.876	58.59	.615	1454.1
900	-1319	-1320	34.127	27.460	27.460	332.257	36.938	41.462	45.879	58.39	.629	1454.3
920	-1335	-1336	34.128	27.461	27.461	332.259	36.941	41.465	45.882	58.19	.643	1454.5
940	-1351	-1352	34.129	27.462	27.462	332.261	36.944	41.468	45.885	57.99	.657	1454.7
960	-1367	-1368	34.130	27.463	27.463	332.263	36.947	41.471	45.888	57.79	.671	1454.9
980	-1383	-1384	34.131	27.464	27.464	332.265	36.950	41.474	45.891	57.59	.685	1455.1
1000	-1399	-1400	34.132	27.465	27.465	332.267	36.953	41.477	45.894	57.39	.699	1455.3
1020	-1415	-1416	34.133	27.466	27.466	332.269	36.956	41.480	45.897	57.19	.713	1455.5
1040	-1431	-1432	34.134	27.467	27.467	332.271	36.959	41.483	45.900	56.99	.727	1455.7
1060	-1447	-1448	34.135	27.468	27.468	332.273	36.962	41.486	45.903	56.79	.741	1455.9
1080	-1463	-1464	34.136	27.469	27.469	332.275	36.965	41.489	45.906	56.59	.755	1456.1
1100	-1479	-1480	34.137	27.470	27.470	332.277	36.968	41.492	45.909	56.39	.769	1456.3
1120	-1495	-1496	34.138	27.471	27.471	332.279	36.971	41.495	45.912	56.19	.783	1456.5
1140	-1511	-1512	34.139	27.472	27.472	332.281	36.974	41.498	45.915	55.99	.797	1456.7
1160	-1527	-1528	34.140	27.473	27.473	332.283	36.977	41.501	45.918	55.79	.811	1456.9
1180	-1543	-1544	34.141	27.474	27.474	332.285	36.980	41.504	45.921	55.59	.825	1457.1
1200	-1559	-1560	34.142	27.475	27.475	332.287	36.983	41.507	45.924	55.39	.839	1457.3
1220	-1575	-1576	34.143	27.476	27.476	332.289	36.986	41.510	45.927	55.19	.853	1457.5
1240	-1591	-1592	34.144	27.477	27.477	332.291	36.989	41.513	45.930	54.99	.867	1457.7
1260	-1607	-1608	34.145	27.478	27.478	332.293	36.992	41.516	45.933	54.79	.881	1457.9
1280	-1623	-1624	34.146	27.479	27.479	332.295	36.995	41.519	45.936	54.59	.895	1458.1
1300	-1639	-1640	34.147	27.480	27.480	332.297	36.998	41.522	45.939	54.39	.909	1458.3
1320	-1655	-1656	34.148	27.481	27.481	332.299	36.999	41.525	45.942	54.19	.923	1458.5
1340	-1671	-1672	34.149	27.482	27.482	332.301	36.999	41.528	45.945	53.99	.937	1458.7
1360	-1687	-1688	34.150	27.483	27.483	332.303	36.999	41.531	45.948	53.79	.951	1458.9
1380	-1703	-1704	34.151	27.484	27.484	332.305	36.999	41.534	45.951	53.59	.965	1459.1
1400	-1719	-1720	34.152	27.485	27.485	332.307	36.999	41.537	45.954	53.39	.979	1459.3
1420	-1735	-1736	34.153	27.486	27.486	332.309	36.999	41.540	45.957	53.19	.993	1459.5
1440	-1751	-1752	34.154	27.487	27.487	332.311	36.999	41.543	45.960	52.99	.1000	1459.7
1460	-1767	-1768	34.155	27.488	27.488	332.313	36.999	41.546	45.963	52.79	.013	1459.9
1480	-1783	-1784	34.156	27.489	27.489	332.315	36.999	41.549	45.966	52.59	.027	1460.1
1500	-1799	-1800	34.157	27.490	27.490	332.317	36.999	41.552	45.969	52.39	.041	1460.3
1520	-1815	-1816	34.158	27.491	27.491	332.319	36.999	41.555	45.972	52.19	.055	1460.5
1540	-1831	-1832	34.159	27.492	27.492	332.321	36.999	41.558	45.975	51.99	.069	1460.7
1560	-1847	-1848	34.160	27.493	27.493	332.323	36.999	41.561	45.978	51.79	.083	1460.9
1580	-1863	-1864	34.161	27.494	27.494	332.325	36.999	41.564	45.981	51.59	.097	1461.1
1600	-1879	-1880	34.162	27.495	27.495	332.327	36.999	41.567	45.984	51.39	.111	1461.3
1620	-1895	-1896	34.163	27.496	27.496	332.329	36.999	41.570	45.987	51.19	.125	1461.5
1640	-1911	-1912	34.164	27.497	27.497	332.331	36.999	41.573	45.990	50.99	.139	1461.7
1660	-1927	-1928	34.165	27.498	27.498	332.333	36.999	41.576	45.993	50.79	.153	1461.9
1680	-1943	-1944	34.166	27.499	27.499	332.335	36.999	41.579	45.996	50.59	.167	1462.1
1700	-1959	-1960	34.167	27.500	27.500	332.337	36.999	41.582	45.999	50.39	.181	1462.3
1720	-1975	-1976	34.168	27.501	27.501	332.339	36.999	41.585	46.002	50.19	.195	1462.5
1740	-1991	-1992	34.169	27.502	27.502	332.341	36.999	41.588	46.005	50.00	.209	1462.7
1760	-200											

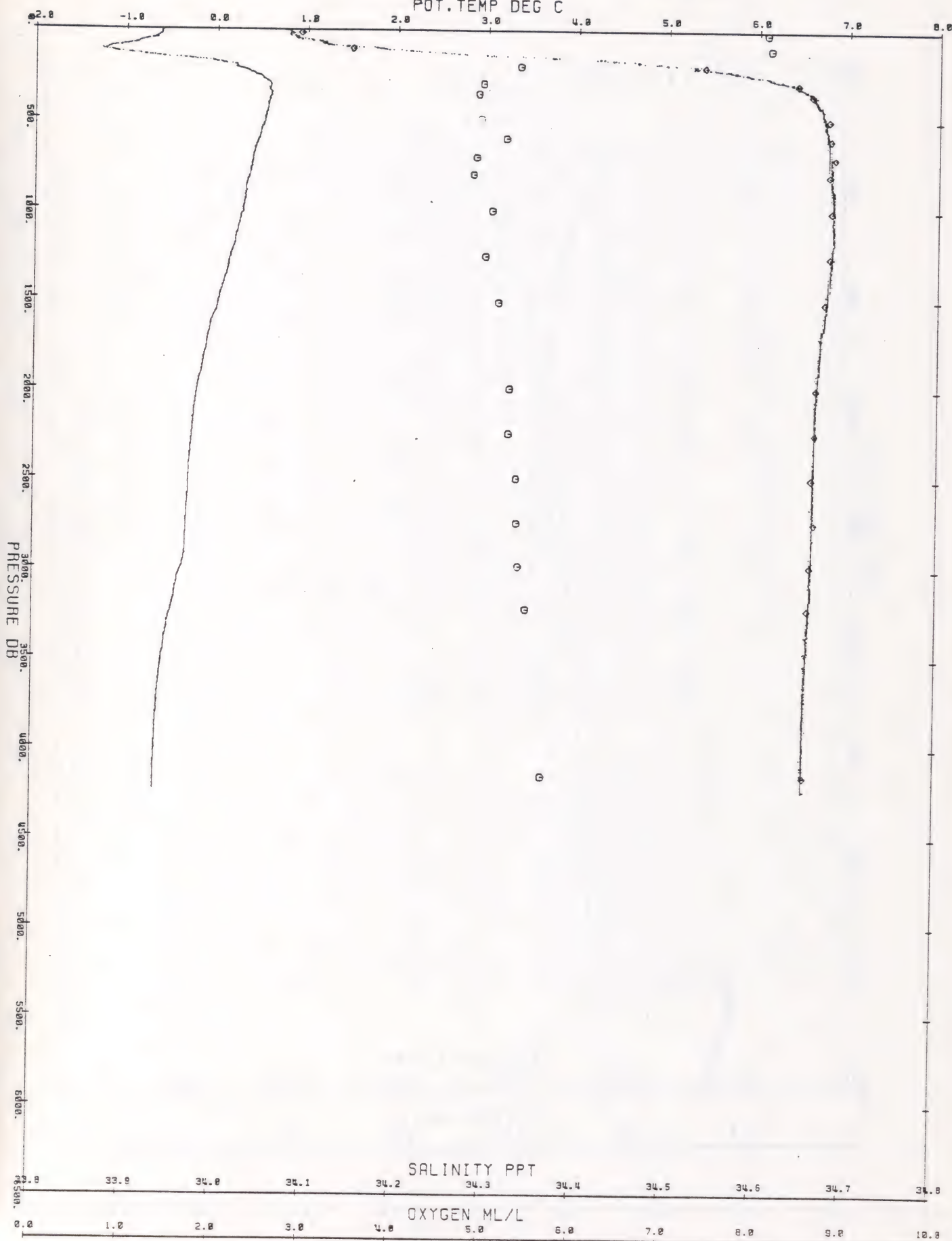
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ST 14

LAT -55.204

LONG -29.268

POT. TEMP DEG C



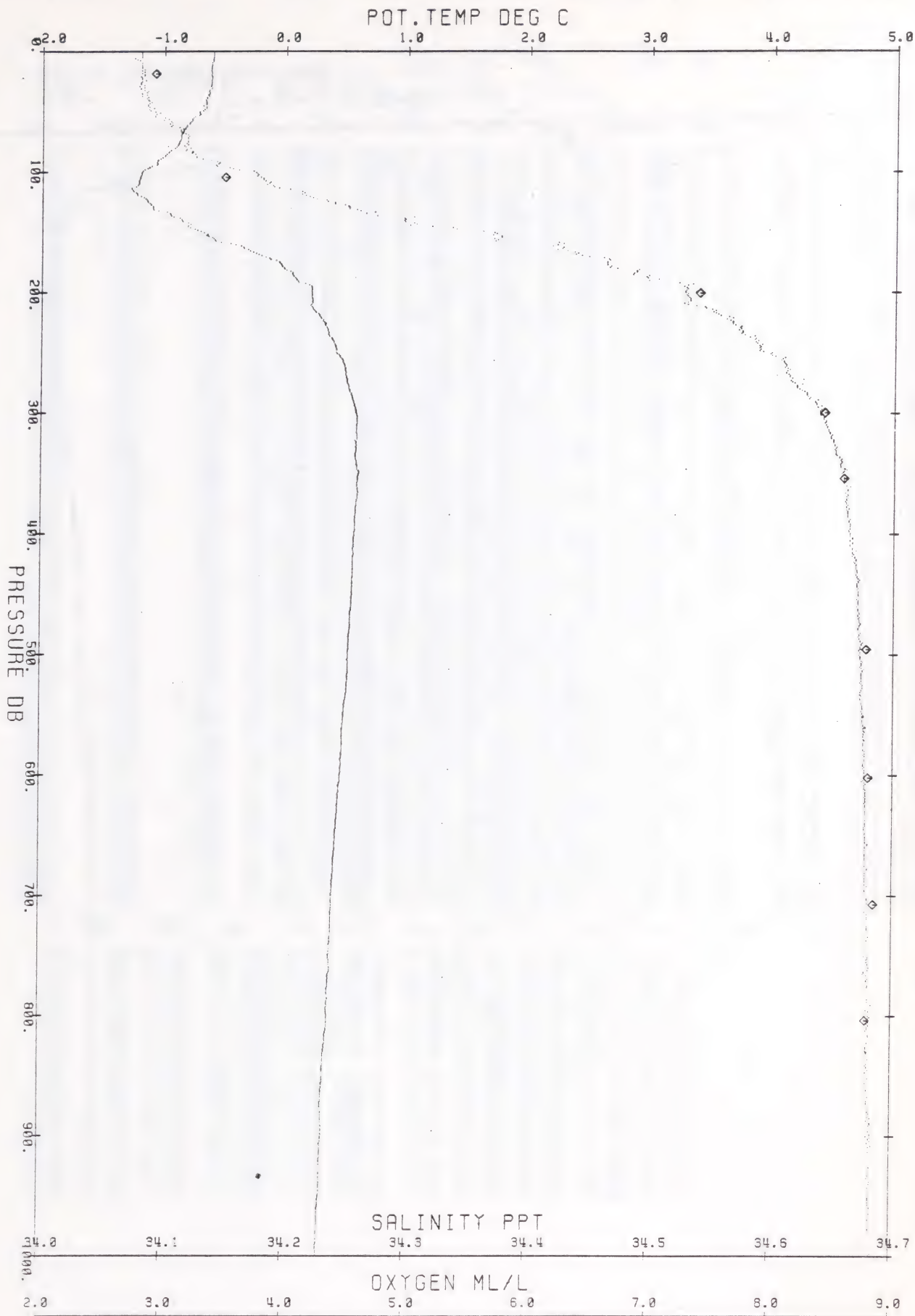


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ST 14

LAT -55.204

LONG -29.268

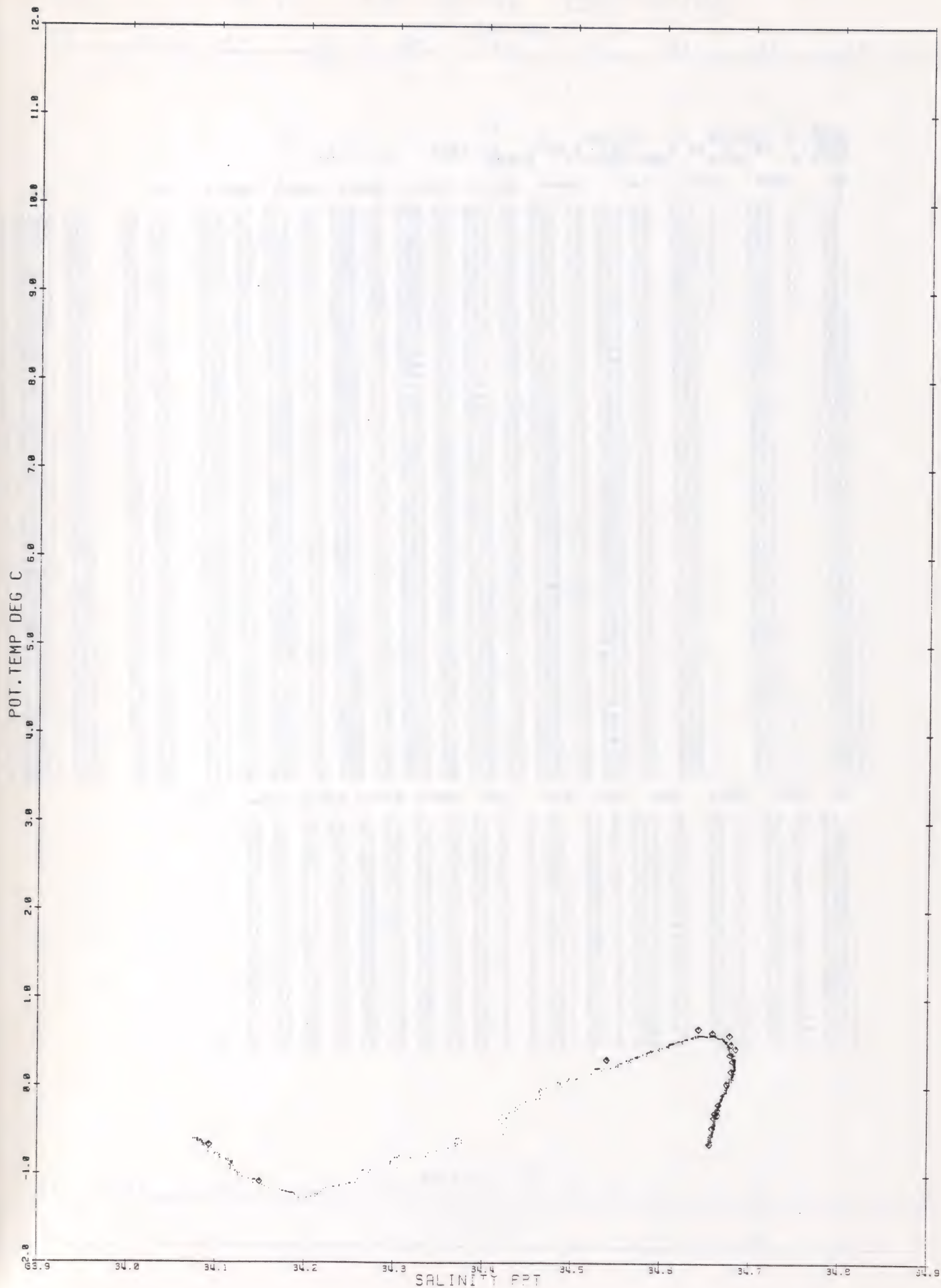


I011

ST 14

LAT -55.204

LONG -29.268





SHIP ID CRUISE 11 STATION 15  
 START 56 21.40 S 28 8.50 W AT 1858 76/11/12  
 WIND = 9M/S COR. DEPTH = 2454M

DE	TEMP	THETA	SAL	SGM-T	SGM-O	SGM-1	SGM-2	SGM-3	SGM-4	AN	HZ	SVEL
0	-1.10	-1.210	34.100	27.452	27.452	32.223	36.878	41.419	45.852	63.85	.000	1442.4
20	-1.107	-1.207	34.093	27.445	27.445	32.223	36.871	41.413	45.846	64.356	.013	1442.8
40	-1.107	-1.207	34.100	27.454	27.454	32.223	36.880	41.423	45.859	63.488	.026	1443.0
60	-1.107	-1.207	34.100	27.454	27.454	32.223	36.882	41.425	45.861	63.344	.038	1443.3
80	-1.107	-1.207	34.100	27.454	27.454	32.223	36.885	41.429	45.864	63.088	.051	1443.6
100	-1.107	-1.207	34.100	27.454	27.454	32.223	36.891	41.436	45.872	62.69	.064	1443.9
120	-1.107	-1.207	34.100	27.454	27.454	32.223	36.946	41.498	45.942	58.81	.076	1442.7
140	-1.107	-1.207	34.100	27.454	27.454	32.223	36.991	41.543	45.991	54.85	.087	1442.7
160	-1.107	-1.207	34.100	27.454	27.454	32.223	37.012	41.560	45.999	51.388	.098	1444.2
180	-1.107	-1.207	34.100	27.454	27.454	32.223	37.032	41.565	45.999	46.888	.107	1444.2
200	-1.107	-1.207	34.100	27.454	27.454	32.223	37.069	41.584	45.991	40.022	.116	1450.1
220	-1.107	-1.207	34.100	27.454	27.454	32.223	37.080	41.575	45.964	39.69	.124	1453.0
240	-1.107	-1.207	34.100	27.454	27.454	32.223	37.081	41.570	45.951	34.11	.131	1455.9
260	-1.107	-1.207	34.100	27.454	27.454	32.223	37.089	41.567	45.948	34.06	.138	1455.9
280	-1.107	-1.207	34.100	27.454	27.454	32.223	37.089	41.570	45.949	33.12	.144	1456.4
300	-1.107	-1.207	34.100	27.454	27.454	32.223	37.089	41.574	45.946	32.40	.151	1457.7
320	-1.107	-1.207	34.100	27.454	27.454	32.223	37.099	41.579	45.953	31.84	.159	1457.7
340	-1.107	-1.207	34.100	27.454	27.454	32.223	37.106	41.586	45.961	31.00	.167	1458.8
360	-1.107	-1.207	34.100	27.454	27.454	32.223	37.113	41.596	45.973	30.00	.175	1458.8
380	-1.107	-1.207	34.100	27.454	27.454	32.223	37.119	41.602	45.980	29.00	.182	1458.8
400	-1.107	-1.207	34.100	27.454	27.454	32.223	37.125	41.609	45.987	28.00	.190	1458.8
420	-1.107	-1.207	34.100	27.454	27.454	32.223	37.129	41.612	45.990	27.00	.197	1459.9
440	-1.107	-1.207	34.100	27.454	27.454	32.223	37.135	41.618	45.995	26.00	.205	1459.9
460	-1.107	-1.207	34.100	27.454	27.454	32.223	37.141	41.625	46.004	25.00	.211	1460.0
480	-1.107	-1.207	34.100	27.454	27.454	32.223	37.146	41.631	46.010	24.00	.217	1461.1
500	-1.107	-1.207	34.100	27.454	27.454	32.223	37.151	41.638	46.018	23.00	.223	1462.2
520	-1.107	-1.207	34.100	27.454	27.454	32.223	37.158	41.646	46.028	22.00	.229	1463.3
540	-1.107	-1.207	34.100	27.454	27.454	32.223	37.167	41.657	46.042	21.00	.234	1464.4
560	-1.107	-1.207	34.100	27.454	27.454	32.223	37.173	41.666	46.051	20.00	.238	1465.5
580	-1.107	-1.207	34.100	27.454	27.454	32.223	37.181	41.675	46.059	19.00	.246	1466.6
600	-1.107	-1.207	34.100	27.454	27.454	32.223	37.188	41.683	46.066	18.00	.251	1467.7
620	-1.107	-1.207	34.100	27.454	27.454	32.223	37.198	41.694	46.080	17.00	.256	1468.8
640	-1.107	-1.207	34.100	27.454	27.454	32.223	37.204	41.704	46.098	16.00	.261	1469.9
660	-1.107	-1.207	34.100	27.454	27.454	32.223	37.209	41.711	46.106	15.00	.266	1471.0
680	-1.107	-1.207	34.100	27.454	27.454	32.223	37.213	41.717	46.113	14.00	.271	1472.1
700	-1.107	-1.207	34.100	27.454	27.454	32.223	37.215	41.719	46.118	13.00	.276	1473.2
720	-1.107	-1.207	34.100	27.454	27.454	32.223	37.217	41.723	46.122	12.00	.281	1474.3
740	-1.107	-1.207	34.100	27.454	27.454	32.223	37.219	41.729	46.130	11.00	.286	1475.4
760	-1.107	-1.207	34.100	27.454	27.454	32.223	37.223	41.734	46.135	10.00	.291	1476.5
780	-1.107	-1.207	34.100	27.454	27.454	32.223	37.227	41.737	46.139	9.00	.296	1477.6
800	-1.107	-1.207	34.100	27.454	27.454	32.223	37.230	41.740	46.143	8.00	.301	1478.7
820	-1.107	-1.207	34.100	27.454	27.454	32.223	37.231	41.742	46.145	7.00	.306	1479.8

DE	TEMP	THETA	SAL	OXY	SIL	PO4	SGM-T	SGM-O	SGM-2	SGM-4	FLAG
0	-1.10	-1.210	34.100	11.73	0.00	1.13	27.452	27.452	36.878	41.419	A
20	-1.107	-1.207	34.093	11.73	0.00	1.13	27.445	27.445	36.871	41.413	
40	-1.107	-1.207	34.100	11.73	0.00	1.13	27.454	27.454	36.880	41.423	
60	-1.107	-1.207	34.100	11.73	0.00	1.13	27.454	27.454	36.882	41.425	
80	-1.107	-1.207	34.100	11.73	0.00	1.13	27.454	27.454	36.885	41.429	
100	-1.107	-1.207	34.100	11.73	0.00	1.13	27.454	27.454	36.891	41.436	
120	-1.107	-1.207	34.100	11.73	0.00	1.13	27.454	27.454	36.946	41.498	
140	-1.107	-1.207	34.100	11.73	0.00	1.13	27.454	27.454	36.991	41.543	
160	-1.107	-1.207	34.100	11.73	0.00	1.13	27.454	27.454	37.012	41.560	
180	-1.107	-1.207	34.100	11.73	0.00	1.13	27.454	27.454	37.032	41.565	
200	-1.107	-1.207	34.100	11.73	0.00	1.13	27.454	27.454	37.069	41.584	
220	-1.107	-1.207	34.100	11.73	0.00	1.13	27.454	27.454	37.080	41.575	
240	-1.107	-1.207	34.100	11.73	0.00	1.13	27.454	27.454	37.081	41.570	
260	-1.107	-1.207	34.100	11.73	0.00	1.13	27.454	27.454	37.089	41.567	
280	-1.107	-1.207	34.100	11.73	0.00	1.13	27.454	27.454	37.089	41.570	
300	-1.107	-1.207	34.100	11.73	0.00	1.13	27.454	27.454	37.089	41.574	
320	-1.107	-1.207	34.100	11.73	0.00	1.13	27.454	27.454	37.099	41.579	
340	-1.107	-1.207	34.100	11.73	0.00	1.13	27.454	27.454	37.106	41.586	
360	-1.107	-1.207	34.100	11.73	0.00	1.13	27.454	27.454	37.113	41.596	
380	-1.107	-1.207	34.100	11.73	0.00	1.13	27.454	27.454	37.119	41.602	
400	-1.107	-1.207	34.100	11.73	0.00	1.13	27.454	27.454	37.125	41.609	
420	-1.107	-1.207	34.100	11.73	0.00	1.13	27.454	27.454	37.129	41.612	
440	-1.107	-1.207	34.100	11.73	0.00	1.13	27.454	27.454	37.135	41.618	
460	-1.107	-1.207	34.100	11.73	0.00	1.13	27.454	27.454	37.141	41.625	
480	-1.107	-1.207	34.100	11.73	0.00	1.13	27.454	27.454	37.146	41.631	
500	-1.107	-1.207	34.100	11.73	0.00	1.13	27.454	27.454	37.151	41.638	
520	-1.107	-1.207	34.100	11.73	0.00	1.13	27.454	27.454	37.158	41.646	
540	-1.107	-1.207	34.100	11.73	0.00	1.13	27.454	27.454	37.167	41.657	
560	-1.107	-1.207	34.100	11.73	0.00	1.13	27.454	27.454	37.173	41.666	
580	-1.107	-1.207	34.100	11.73	0.00	1.13	27.454	27.454	37.181	41.675	
600	-1.107	-1.207	34.100	11.73	0.00	1.13	27.454	27.454	37.188	41.683	
620	-1.107	-1.207	34.100	11.73	0.00	1.13	27.454	27.454	37.198	41.694	
640	-1.107	-1.207	34.100	11.73	0.00	1.13	27.454	27.454	37.204	41.704	
660	-1.107	-1.207	34.100	11.73	0.00	1.13	27.454	27.454	37.209	41.711	
680	-1.107	-1.207	34.100	11.73	0.00	1.13	27.454	27.454	37.213	41.717	
700	-1.107	-1.207	34.100	11.73	0.00	1.13	27.454	27.454	37.215	41.719	
720	-1.107	-1.207	34.100	11.73	0.00	1.13	27.454	27.454	37.217	41.723	
740	-1.107	-1.207	34.100	11.73	0.00	1.13	27.454	27.454	37.219	41.729	
760	-1.107	-1.207	34.100	11.73	0.00	1.13	27.454	27.454	37.223	41.734	
780	-1.107	-1.207	34.100	11.73	0.00	1.13	27.454	27.454	37.227	41.737	
800	-1.107	-1.207	34.100	11.73	0.00	1.13	27.454	27.454	37.230	41.740	
820	-1.107	-1.207	34.100	11.73	0.00	1.13	27.454	27.454	37.231	41.742	

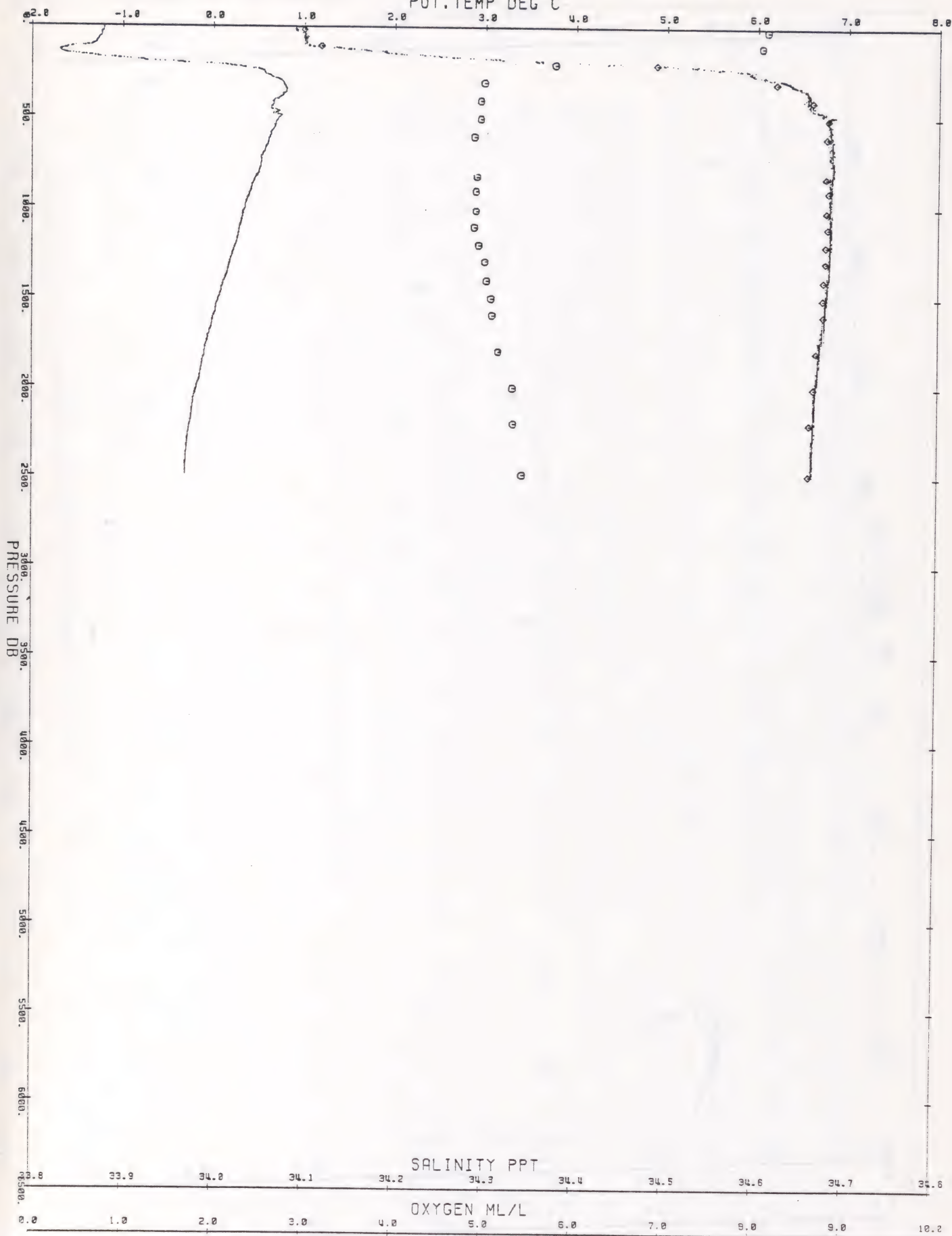
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ST 15

LAT -56.214

LONG -28.085

POT. TEMP DEG C





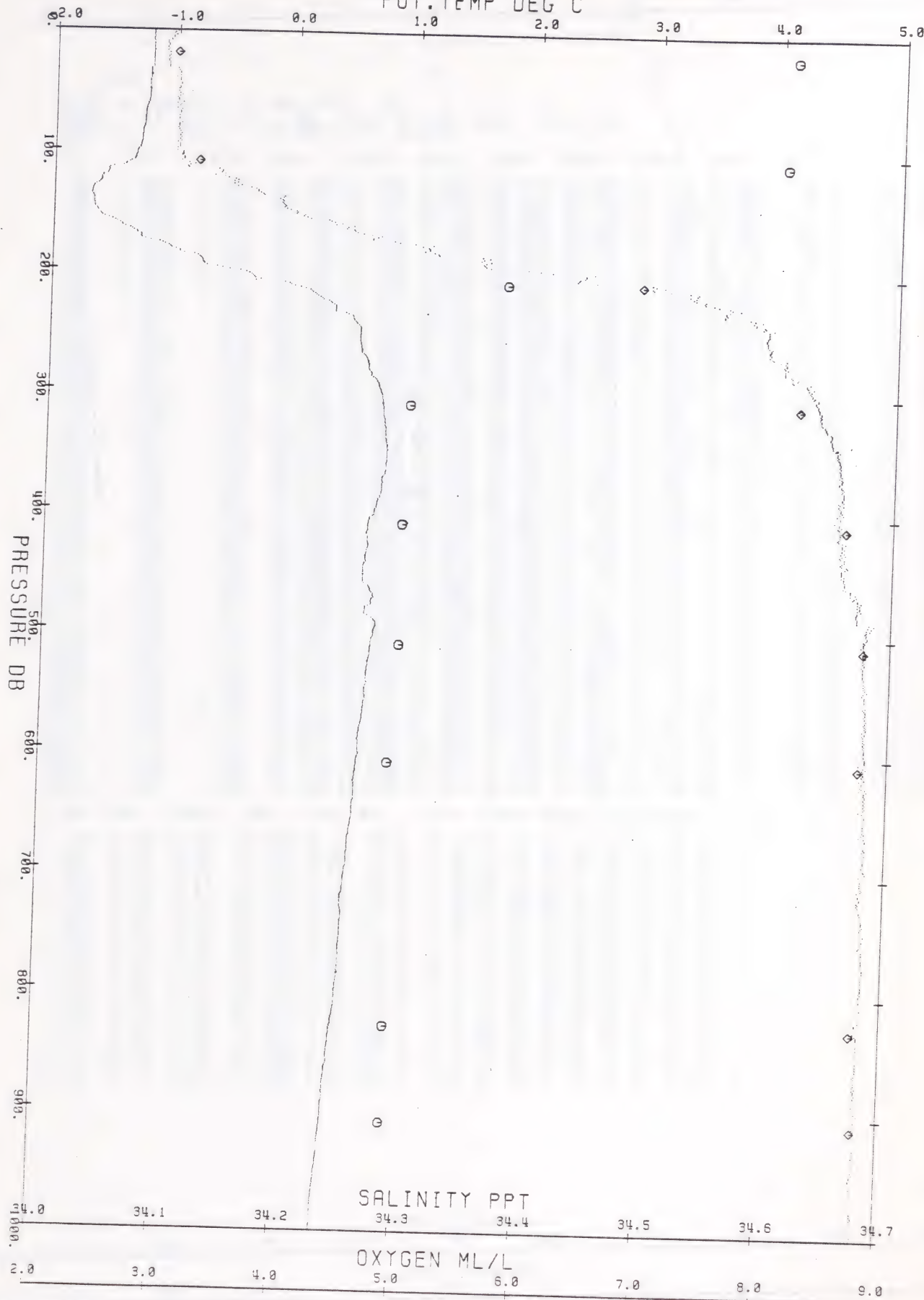
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ST 15

LAT -56.214

LONG -28.085

POT. TEMP DEG C

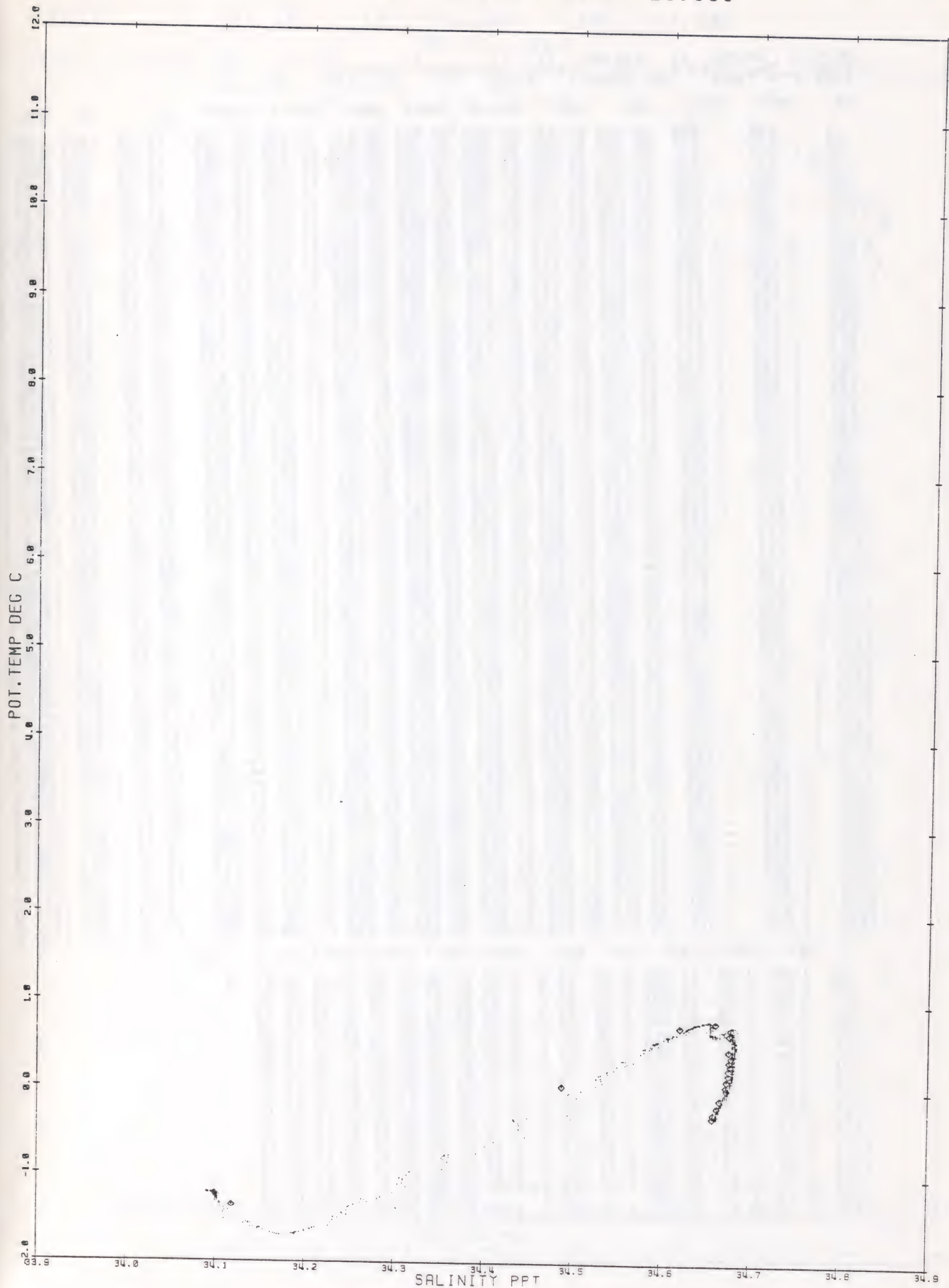


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ST 15

LAT -56.214

LONG -28.085





SHIP ID CRUISE 11 STATION 16  
 START 56 30 70 S 24 9 40 W AT 1900 76/11/13  
 WIND = 15M/S COR. DEPTH = 5775M

DE	TEMP	THETA	SAL	SGM-T	SGM-O	SGM-1	SGM-2	SGM-3	SGM-4	AN	HZ	SVEL
0	583	583	34	00	27	29	36	41	43	79	09	000
40	583	583	34	00	27	29	36	41	43	79	09	016
80	583	583	34	00	27	29	36	41	43	79	09	032
120	583	583	34	00	27	29	36	41	43	79	09	048
160	583	583	34	00	27	29	36	41	43	79	09	064
200	583	583	34	00	27	29	36	41	43	79	09	080
240	583	583	34	00	27	29	36	41	43	79	09	096
280	583	583	34	00	27	29	36	41	43	79	09	112
320	583	583	34	00	27	29	36	41	43	79	09	128
360	583	583	34	00	27	29	36	41	43	79	09	144
400	583	583	34	00	27	29	36	41	43	79	09	160
440	583	583	34	00	27	29	36	41	43	79	09	176
480	583	583	34	00	27	29	36	41	43	79	09	192
520	583	583	34	00	27	29	36	41	43	79	09	208
560	583	583	34	00	27	29	36	41	43	79	09	224
600	583	583	34	00	27	29	36	41	43	79	09	240
640	583	583	34	00	27	29	36	41	43	79	09	256
680	583	583	34	00	27	29	36	41	43	79	09	272
720	583	583	34	00	27	29	36	41	43	79	09	288
760	583	583	34	00	27	29	36	41	43	79	09	304
800	583	583	34	00	27	29	36	41	43	79	09	320
840	583	583	34	00	27	29	36	41	43	79	09	336
880	583	583	34	00	27	29	36	41	43	79	09	352
920	583	583	34	00	27	29	36	41	43	79	09	368
960	583	583	34	00	27	29	36	41	43	79	09	384
1000	583	583	34	00	27	29	36	41	43	79	09	400
1040	583	583	34	00	27	29	36	41	43	79	09	416
1080	583	583	34	00	27	29	36	41	43	79	09	432
1120	583	583	34	00	27	29	36	41	43	79	09	448
1160	583	583	34	00	27	29	36	41	43	79	09	464
1200	583	583	34	00	27	29	36	41	43	79	09	480
1240	583	583	34	00	27	29	36	41	43	79	09	496
1280	583	583	34	00	27	29	36	41	43	79	09	512
1320	583	583	34	00	27	29	36	41	43	79	09	528
1360	583	583	34	00	27	29	36	41	43	79	09	544
1400	583	583	34	00	27	29	36	41	43	79	09	560
1440	583	583	34	00	27	29	36	41	43	79	09	576
1480	583	583	34	00	27	29	36	41	43	79	09	592
1520	583	583	34	00	27	29	36	41	43	79	09	608
1560	583	583	34	00	27	29	36	41	43	79	09	624
1600	583	583	34	00	27	29	36	41	43	79	09	640
1640	583	583	34	00	27	29	36	41	43	79	09	656
1680	583	583	34	00	27	29	36	41	43	79	09	672
1720	583	583	34	00	27	29	36	41	43	79	09	688
1760	583	583	34	00	27	29	36	41	43	79	09	704
1800	583	583	34	00	27	29	36	41	43	79	09	720
1840	583	583	34	00	27	29	36	41	43	79	09	736
1880	583	583	34	00	27	29	36	41	43	79	09	752
1920	583	583	34	00	27	29	36	41	43	79	09	768
1960	583	583	34	00	27	29	36	41	43	79	09	784
2000	583	583	34	00	27	29	36	41	43	79	09	800
2040	583	583	34	00	27	29	36	41	43	79	09	816
2080	583	583	34	00	27	29	36	41	43	79	09	832
2120	583	583	34	00	27	29	36	41	43	79	09	848
2160	583	583	34	00	27	29	36	41	43	79	09	864
2200	583	583	34	00	27	29	36	41	43	79	09	880
2240	583	583	34	00	27	29	36	41	43	79	09	896
2280	583	583	34	00	27	29	36	41	43	79	09	912
2320	583	583	34	00	27	29	36	41	43	79	09	928
2360	583	583	34	00	27	29	36	41	43	79	09	944
2400	583	583	34	00	27	29	36	41	43	79	09	960
2440	583	583	34	00	27	29	36	41	43	79	09	976
2480	583	583	34	00	27	29	36	41	43	79	09	992
2520	583	583	34	00	27	29	36	41	43	79	09	1008
2560	583	583	34	00	27	29	36	41	43	79	09	1024
2600	583	583	34	00	27	29	36	41	43	79	09	1040
2640	583	583	34	00	27	29	36	41	43	79	09	1056
2680	583	583	34	00	27	29	36	41	43	79	09	1072
2720	583	583	34	00	27	29	36	41	43	79	09	1088
2760	583	583	34	00	27	29	36	41	43	79	09	1104
2800	583	583	34	00	27	29	36	41	43	79	09	1120
2840	583	583	34	00	27	29	36	41	43	79	09	1136
2880	583	583	34	00	27	29	36	41	43	79	09	1152
2920	583	583	34	00	27	29	36	41	43	79	09	1168
2960	583	583	34	00	27	29	36	41	43	79	09	1184
3000	583	583	34	00	27	29	36	41	43	79	09	1200
3040	583	583	34	00	27	29	36	41	43	79	09	1216
3080	583	583	34	00	27	29	36	41	43	79	09	1232
3120	583	583	34	00	27	29	36	41	43	79	09	1248
3160	583	583	34	00	27	29	36	41	43	79	09	1264
3200	583	583	34	00	27	29	36	41	43	79	09	1280
3240	583	583	34	00	27	29	36	41	43	79	09	1296
3280	583	583	34	00	27	29	36	41	43	79	09	1312
3320	583	583	34	00	27	29	36	41	43	79	09	1328
3360	583	583	34	00	27	29	36	41	43	79	09	1344
3400	583	583	34	00	27	29	36	41	43	79	09	1360
3440	583	583	34	00	27	29	36	41	43	79	09	1376
3480	583	583	34	00	27	29	36	41	43	79	09	1392
3520	583	583	34	00	27	29	36	41	43	79	09	1408
3560	583	583	34	00	27	29	36	41	43	79	09	1424
3600	583	583	34	00	27	29	36	41	43	79	09	1440
3640	583	583	34	00	27	29	36	41	43	79	09	1456
3680	583	583	34	00	27	29	36	41	43	79	09	1472
3720	583	583	34	00	27	29	36	41	43	79	09	1488
3760	583	583	34	00	27	29	36	41	43	79	09	1504
3800	583	583	34	00	27	29	36	41	43	79	09	1520
3840	583	583	34	00	27	29	36	41	43	79	09	1536
3880	583	583	34	00	27	29	36	41	43	79	09	1552
3920	583	583	34	00	27	29	36	41	43	79	09	1568
3960	583	583	34	00	27	29	36	41	43	79	09	1584
4000	583	583	34	00	27	29	36	41	43	79	09	1600
4040	583	583	34	00	27	29	36	41	43	79	09	1616
4080	583	583	34	00	27	29	36	41	43	79	09	1632
4120	583	583	34	00	27	29	36	41	43	79	09	1648
4160	583	583	34	00	27	29	36	41	43	79	09	1664
4200	583	583	34	00	27	29	36	41	43	79	09	1680
4240	583	583	34	00	27	29	36	41	43	79	09	1696
4280	583	583	34	00	27	29	36	41	43	79	09	1712
4320	583	583	34	00	27	29	36	41	43	79	09	1728
4360	583	583	34	00	27	29	36	41	43	79	09	1744
4400	583	583	34	00	27	29	36	41	43	79	09	1760
4440	583	583	34	00	27	29	36	41	43	79	09	1776
4480	583	583	34	00	27	29	36	41	43	79	09	1792
4520	583	583	34	00	27	29	36	41	43	79	09	1808
4560	583	583	34	00	27	29	36	41	43	79	09	1824
4600	583	583	34	00	27	29	36	41	43	79	09	1840
4640	583	583	34	00	27	29	36	41	43	79	09	1856
4680	583	583	34	00	27	29	36	41	43	79	09	1872
4720	583	583	34	00	27	29	36	41	43	79	09	1888
4760	583	583	34	00	27	29	36	41	43	79	09	1904



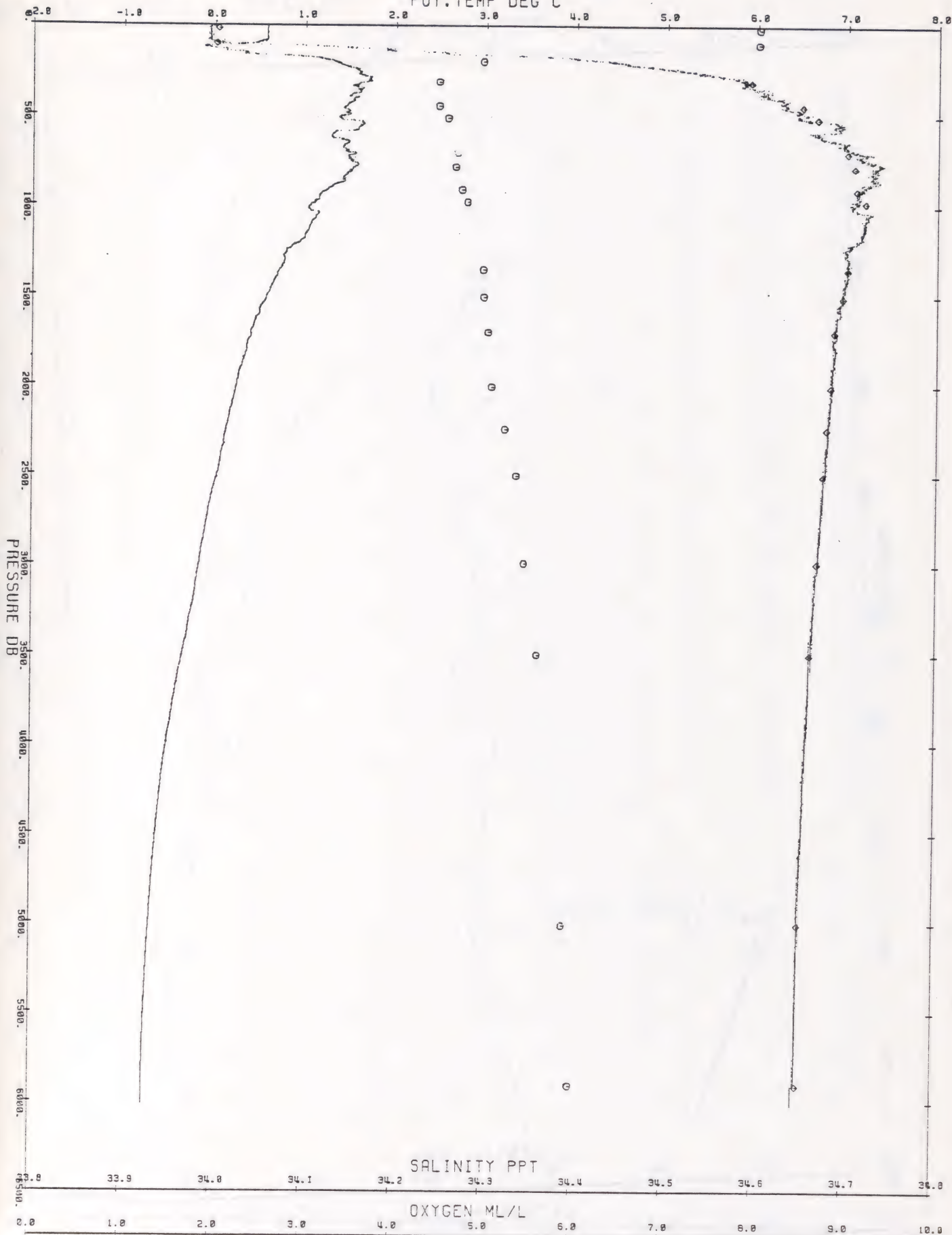
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ST 16

LAT -55.693

LONG -23.906

POT. TEMP DEG C



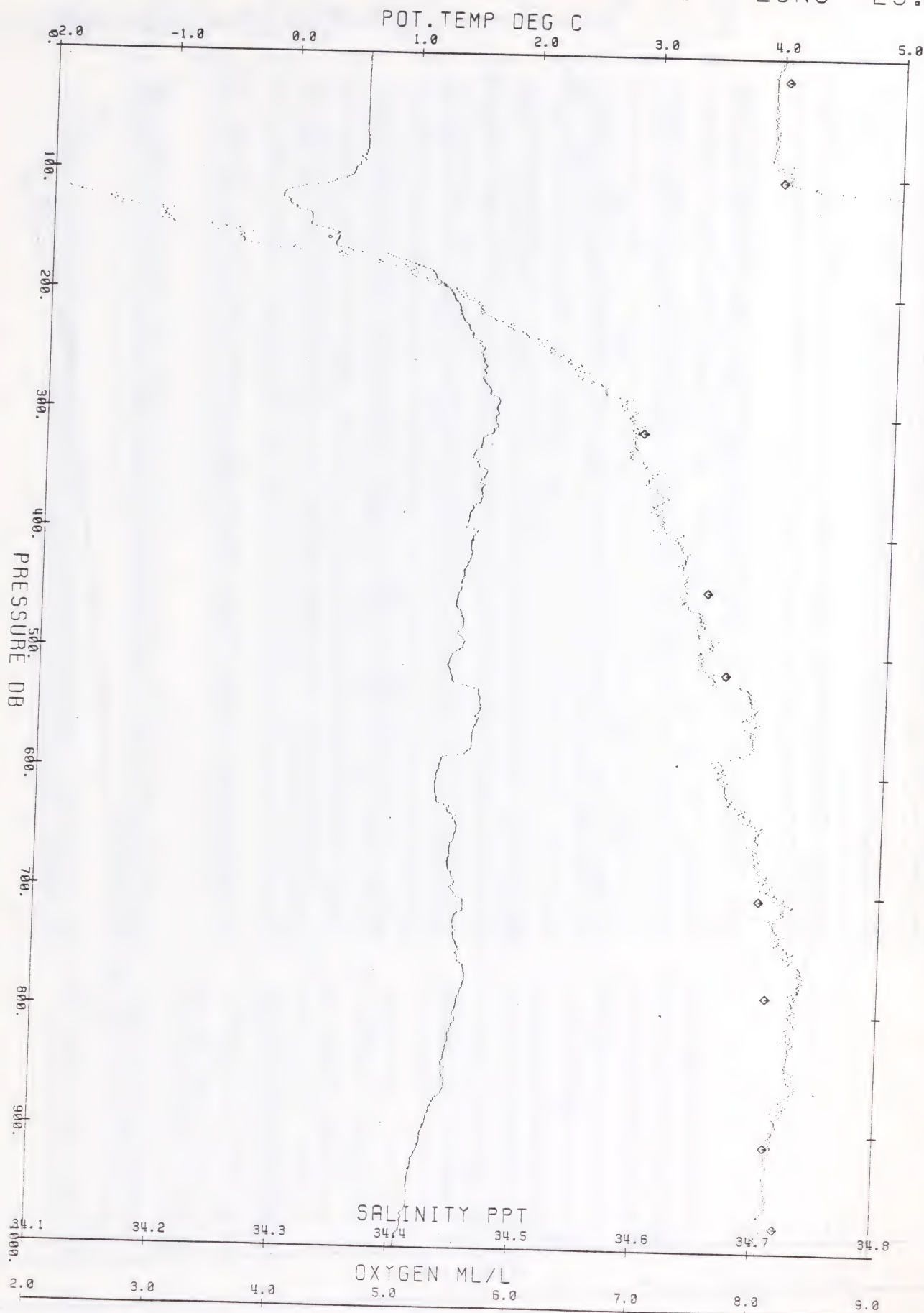


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ST 16

LAT -55.693

LONG -23.906

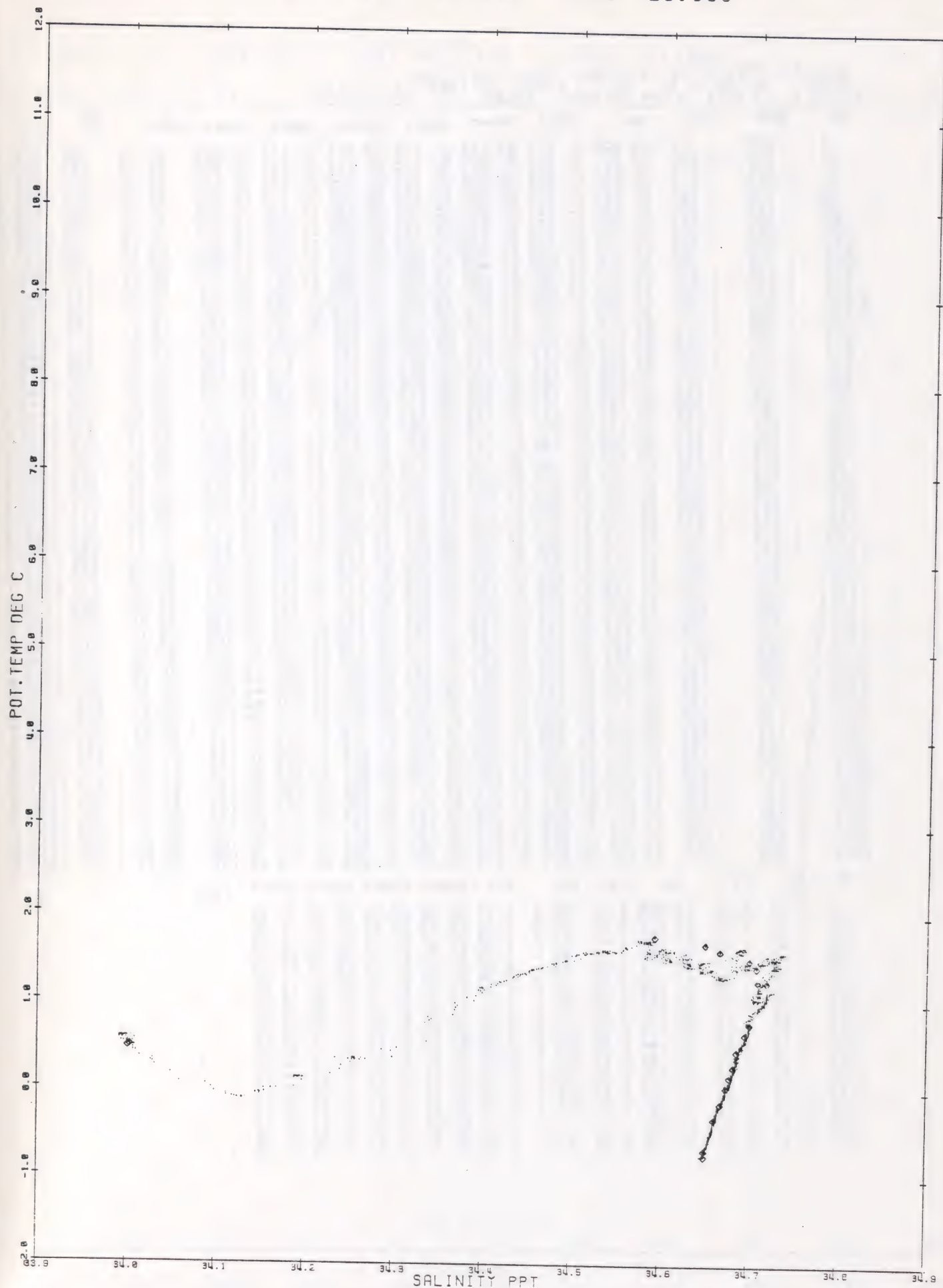


IO11

ST 16

LAT -55.693

LONG -23.906





SHIP ID CRUISE 11 STATION 17  
START 56 28.10 S 22 1.20 W AT 1327 76/11/14  
WIND = 7M/S COR. DEPTH = 4464M

DE	TEMP	THETA	SAL	SGM-T	SGM-O	SGM-1	SGM-2	SGM-3	SGM-4	AN	HZ	SVEL
0	649	649	649	649	649	649	649	649	649	90	000	1444
20	649	649	649	649	649	649	649	649	649	90	017	1445
40	641	641	641	641	641	641	641	641	641	90	034	1445
60	614	614	614	614	614	614	614	614	614	90	051	1445
80	583	583	583	583	583	583	583	583	583	90	068	1446
100	557	557	557	557	557	557	557	557	557	90	085	1446
120	420	420	420	420	420	420	420	420	420	100	100	1447
140	302	302	302	302	302	302	302	302	302	115	115	1448
160	030	030	030	030	030	030	030	030	030	128	128	1449
180	000	000	000	000	000	000	000	000	000	139	139	1451
200	515	515	515	515	515	515	515	515	515	150	150	1456
220	607	607	607	607	607	607	607	607	607	160	160	1459
240	675	675	675	675	675	675	675	675	675	169	169	1459
260	666	666	666	666	666	666	666	666	666	179	179	1460
280	720	720	720	720	720	720	720	720	720	188	188	1460
300	733	733	733	733	733	733	733	733	733	197	197	1461
320	747	747	747	747	747	747	747	747	747	207	207	1461
340	773	773	773	773	773	773	773	773	773	218	218	1462
360	765	765	765	765	765	765	765	765	765	228	228	1462
380	749	749	749	749	749	749	749	749	749	238	238	1463
400	740	740	740	740	740	740	740	740	740	240	240	1463
420	724	724	724	724	724	724	724	724	724	243	243	1464
440	757	757	757	757	757	757	757	757	757	253	253	1464
460	799	799	799	799	799	799	799	799	799	267	267	1464
480	991	991	991	991	991	991	991	991	991	277	277	1464
500	999	999	999	999	999	999	999	999	999	288	288	1465
520	999	999	999	999	999	999	999	999	999	297	297	1465
540	999	999	999	999	999	999	999	999	999	306	306	1466
560	999	999	999	999	999	999	999	999	999	314	314	1466
580	999	999	999	999	999	999	999	999	999	322	322	1466
600	999	999	999	999	999	999	999	999	999	331	331	1467
620	999	999	999	999	999	999	999	999	999	339	339	1467
640	999	999	999	999	999	999	999	999	999	348	348	1468
660	999	999	999	999	999	999	999	999	999	356	356	1468
680	999	999	999	999	999	999	999	999	999	365	365	1469
700	999	999	999	999	999	999	999	999	999	373	373	1469
720	999	999	999									

[illegible]

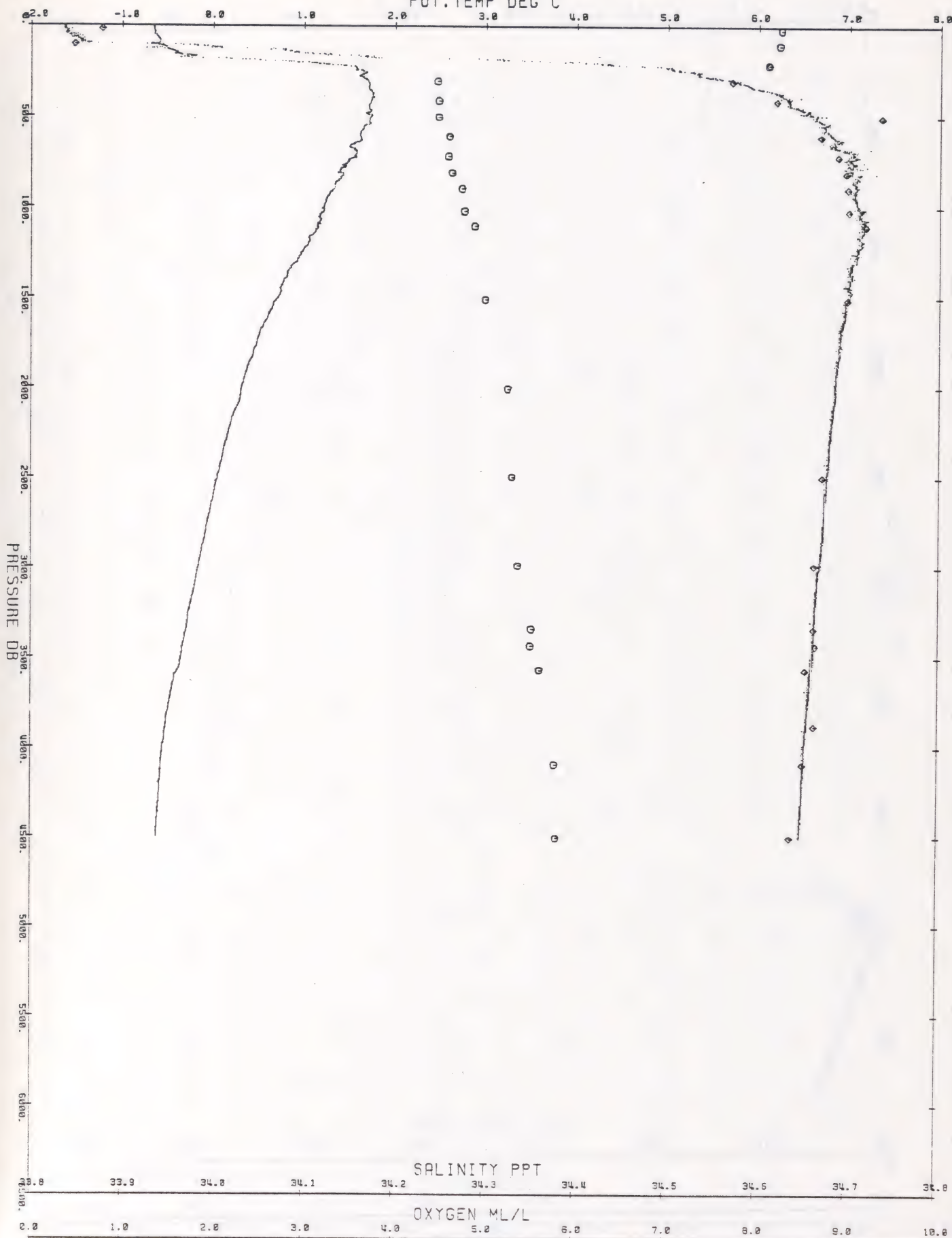
1011

ST 17

LAT -55.719

LONG -21.988

POT. TEMP DEG C





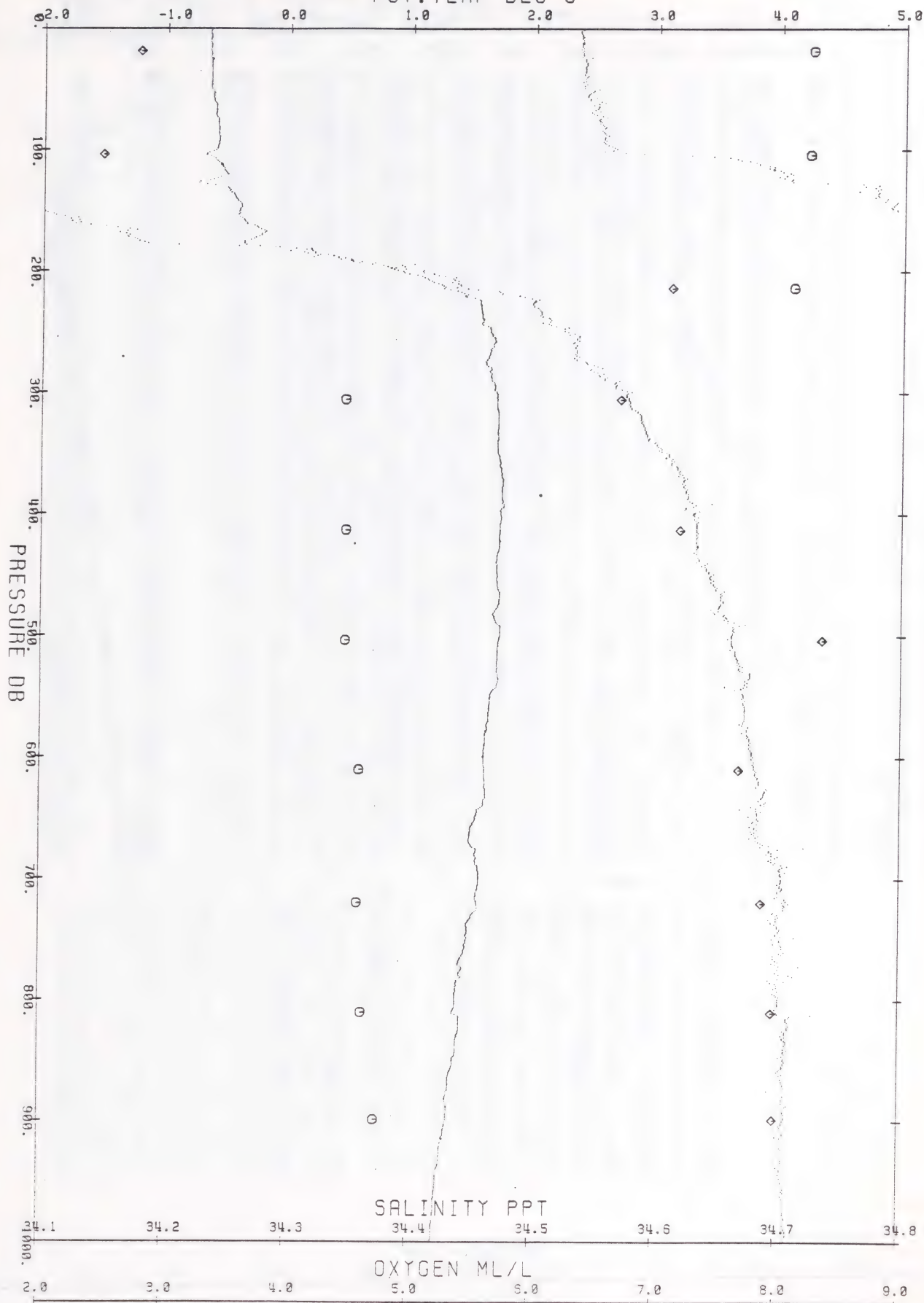
1011

ST 17

LAT -55.719

LONG -21.988

POT. TEMP DEG C

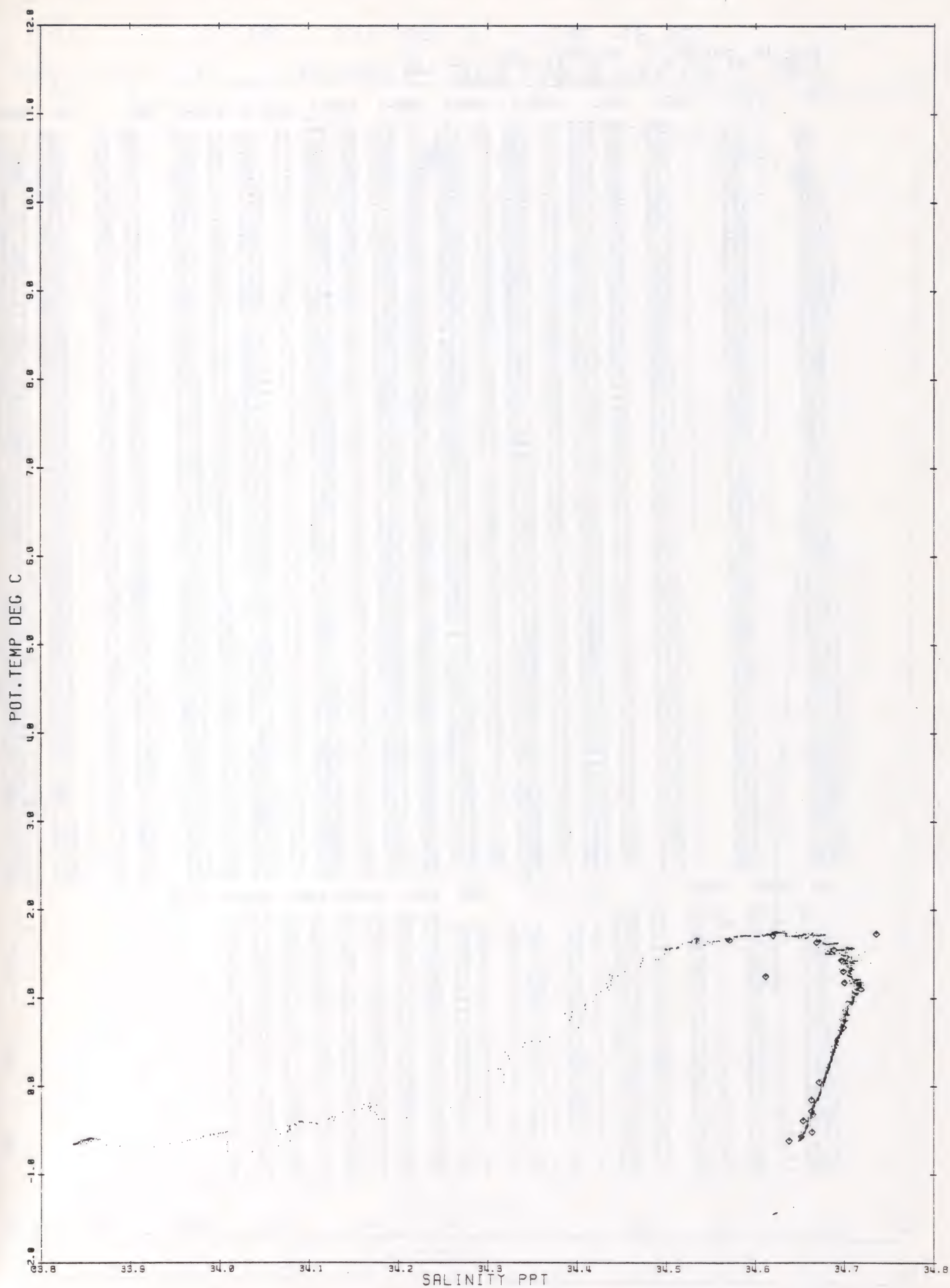


IO11

ST 17

LAT -55.719

LONG -21.988





SHIP ID CRUISE 11 STATION 18  
 START = 56 27 30 S 19 54 40 W AT 600 76/11/15  
 WIND = 3M/S COR. DEPTH = 4965M

DE	TEMP	THETA	SAL	SGM-T	SGM-O	SGM-1	SGM-2	SGM-3	SGM-4	AN	HZ	SVEL
0	756	756	337	797	797	191	797	797	797	888	600	1444
400	777	777	337	797	797	191	797	797	797	888	600	1444
800	799	799	337	797	797	191	797	797	797	888	600	1444
1200	799	799	337	797	797	191	797	797	797	888	600	1444
1600	799	799	337	797	797	191	797	797	797	888	600	1444
2000	799	799	337	797	797	191	797	797	797	888	600	1444
2400	799	799	337	797	797	191	797	797	797	888	600	1444
2800	799	799	337	797	797	191	797	797	797	888	600	1444
3200	799	799	337	797	797	191	797	797	797	888	600	1444
3600	799	799	337	797	797	191	797	797	797	888	600	1444
4000	799	799	337	797	797	191	797	797	797	888	600	1444
4400	799	799	337	797	797	191	797	797	797	888	600	1444
4800	799	799	337	797	797	191	797	797	797	888	600	1444
5200	799	799	337	797	797	191	797	797	797	888	600	1444
5600	799	799	337	797	797	191	797	797	797	888	600	1444
6000	799	799	337	797	797	191	797	797	797	888	600	1444
6400	799	799	337	797	797	191	797	797	797	888	600	1444
6800	799	799	337	797	797	191	797	797	797	888	600	1444
7200	799	799	337	797	797	191	797	797	797	888	600	1444
7600	799	799	337	797	797	191	797	797	797	888	600	1444
8000	799	799	337	797	797	191	797	797	797	888	600	1444
8400	799	799	337	797	797	191	797	797	797	888	600	1444
8800	799	799	337	797	797	191	797	797	797	888	600	1444
9200	799	799	337	797	797	191	797	797	797	888	600	1444
9600	799	799	337	797	797	191	797	797	797	888	600	1444
10000	799	799	337	797	797	191	797	797	797	888	600	1444

DE	TEMP	THETA	SAL	OXY	SIL	PO4	SGM-T	SGM-O	SGM-2	SGM-4	FLAG
0	756	756	337	446	446	446	797	797	797	797	797
400	777	777	337	446	446	446	797	797	797	797	797
800	799	799	337	446	446	446	797	797	797	797	797
1200	799	799	337	446	446	446	797	797	797	797	797
1600	799	799	337	446	446	446	797	797	797	797	797
2000	799	799	337	446	446	446	797	797	797	797	797
2400	799	799	337	446	446	446	797	797	797	797	797
2800	799	799	337	446	446	446	797	797	797	797	797
3200	799	799	337	446	446	446	797	797	797	797	797
3600	799	799	337	446	446	446	797	797	797	797	797
4000	799	799	337	446	446	446	797	797	797	797	797
4400	799	799	337	446	446	446	797	797	797	797	797
4800	799	799	337	446	446	446	797	797	797	797	797
5200	799	799	337	446	446	446	797	797	797	797	797
5600	799	799	337	446	446	446	797	797	797	797	797
6000	799	799	337	446	446	446	797	797	797	797	797
6400	799	799	337	446	446	446	797	797	797	797	797
6800	799	799	337	446	446	446	797	797	797	797	797
7200	799	799	337	446	446	446	797	797	797	797	797
7600	799	799	337	446	446	446	797	797	797	797	797
8000	799	799	337	446	446	446	797	797	797	797	797
8400	799	799	337	446	446	446	797	797	797	797	797
8800	799	799	337	446	446	446	797	797	797	797	797
9200	799	799	337	446	446	446	797	797	797	797	797
9600	799	799	337	446	446	446	797	797	797	797	797
10000	799	799	337	446	446	446	797	797	797	797	797



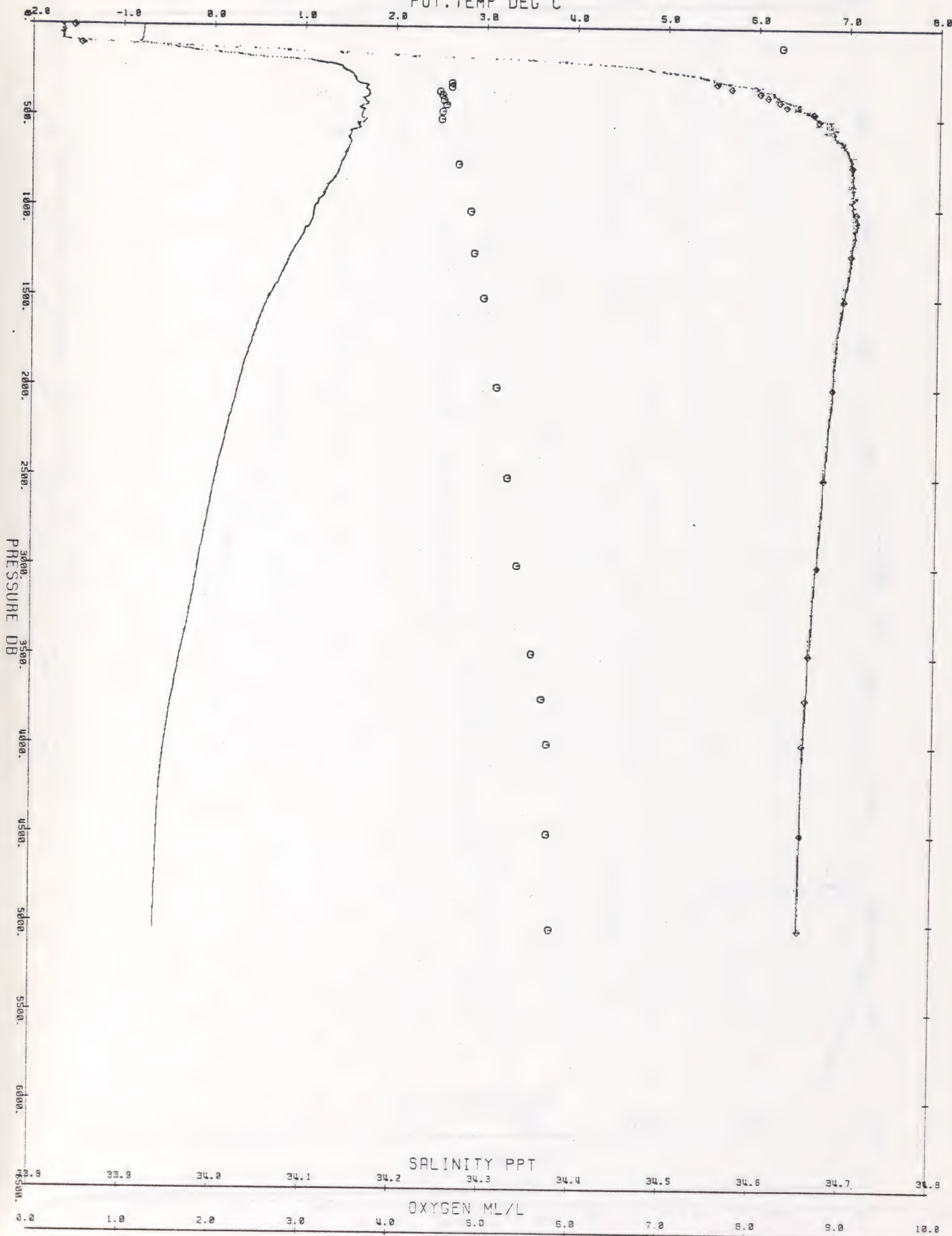
1011

ST 18

LAT -55.727

LONG -18.456

POT. TEMP DEG C





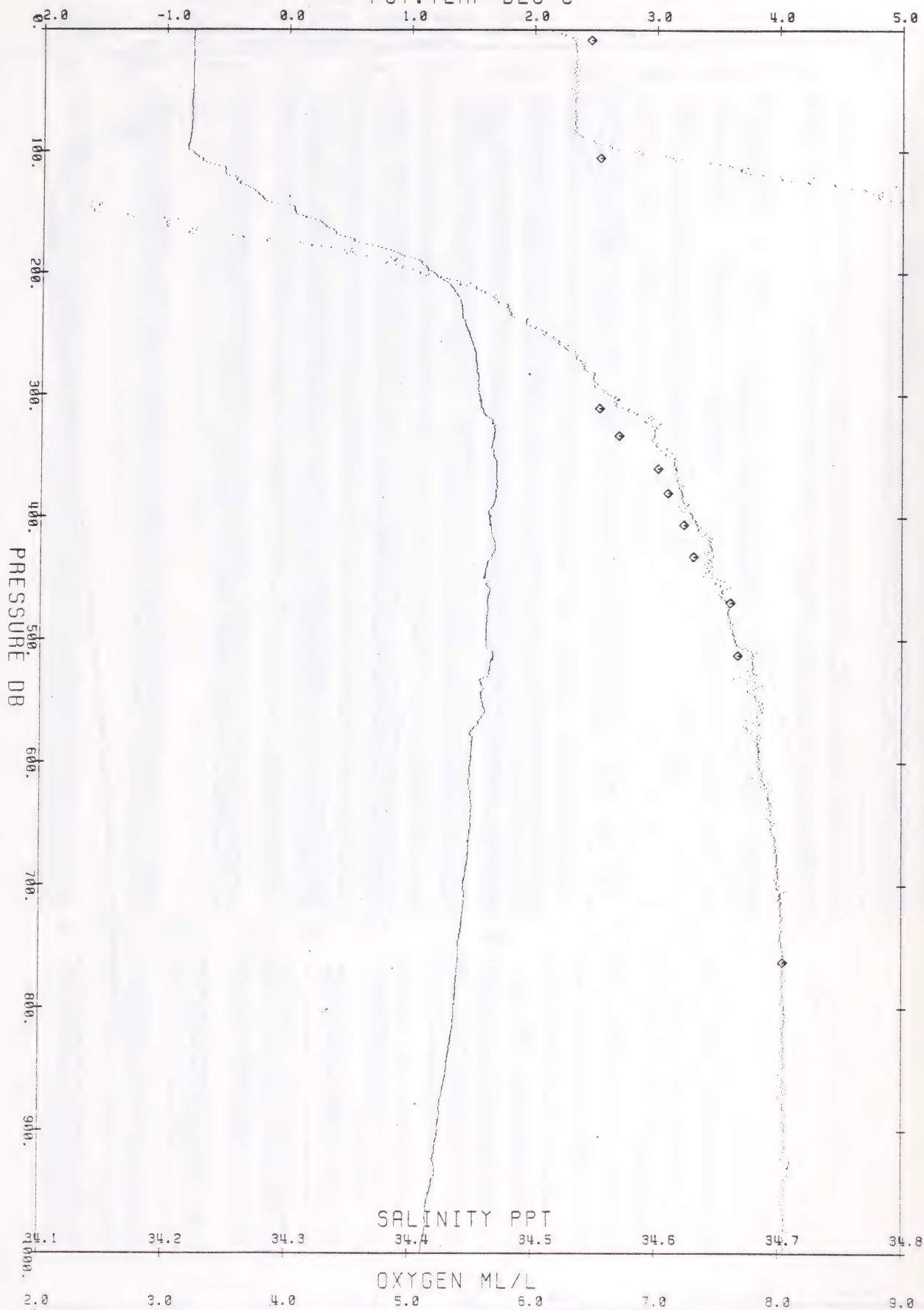
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ST 18

LAT -55.727

LONG -18.456

POT. TEMP DEG C

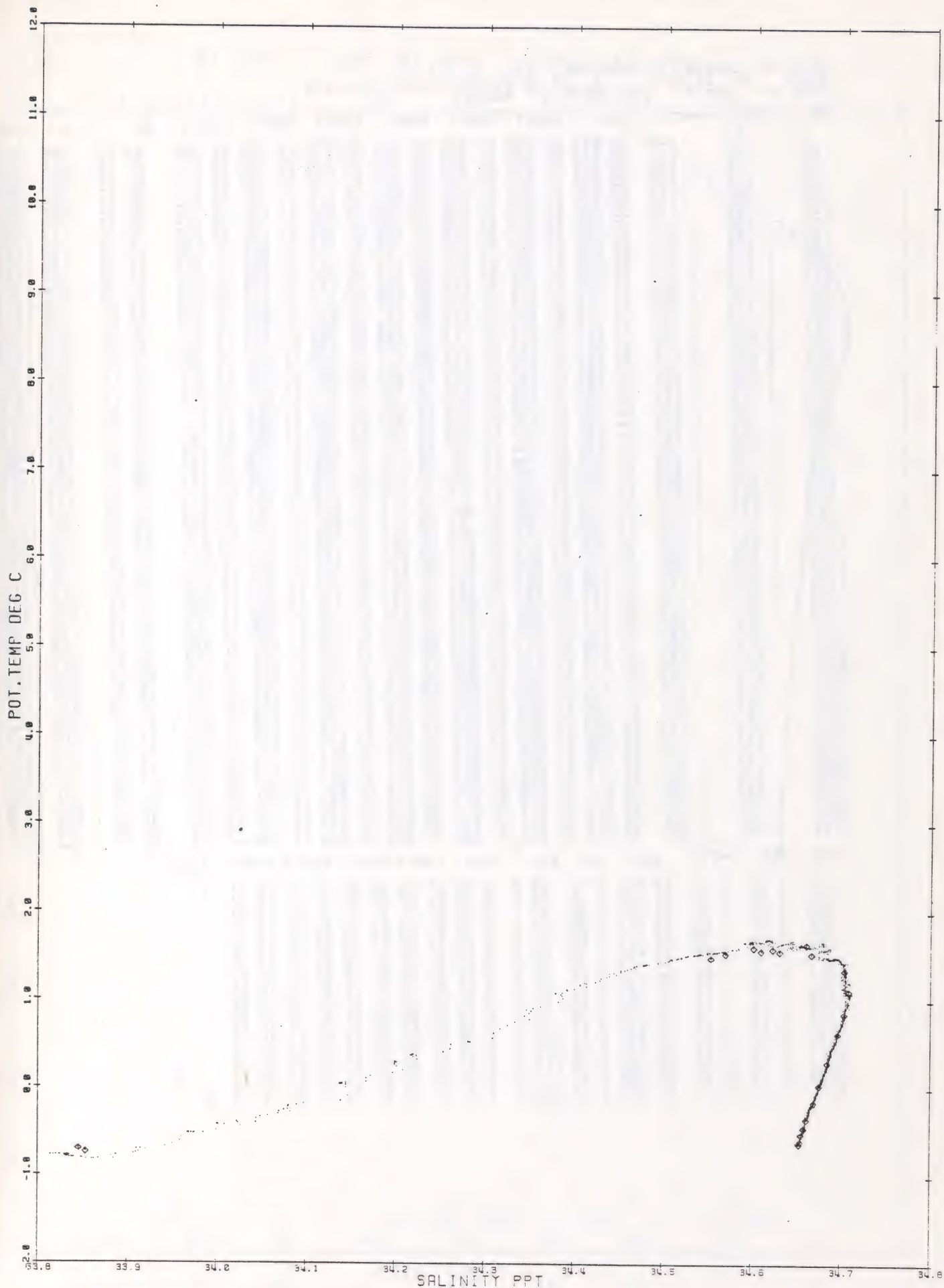


1011

ST 18

LAT -55.727

LONG -18.456





[illegible]

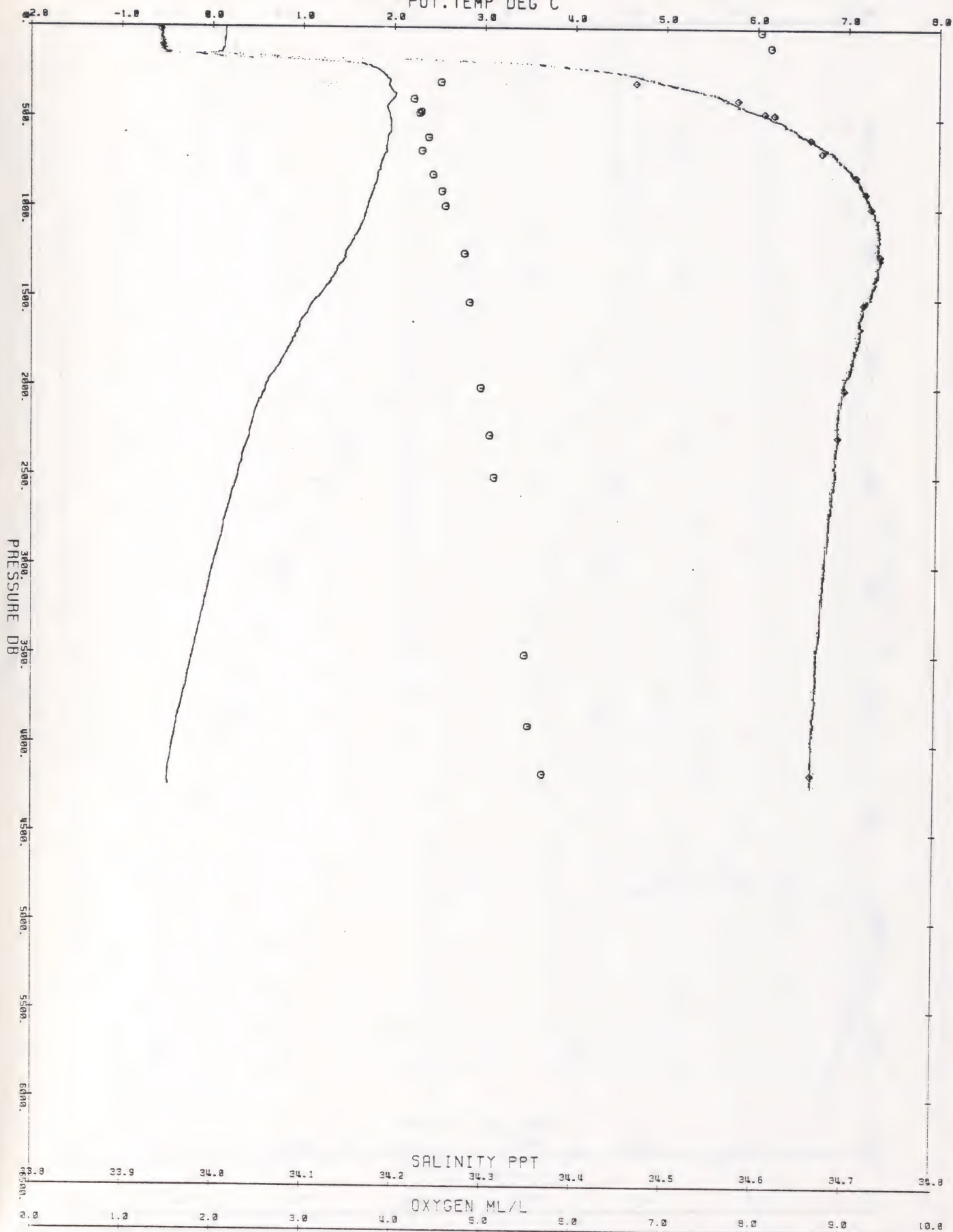
1011

ST 19

LAT -56.245

LONG -16.585

POT. TEMP DEG C



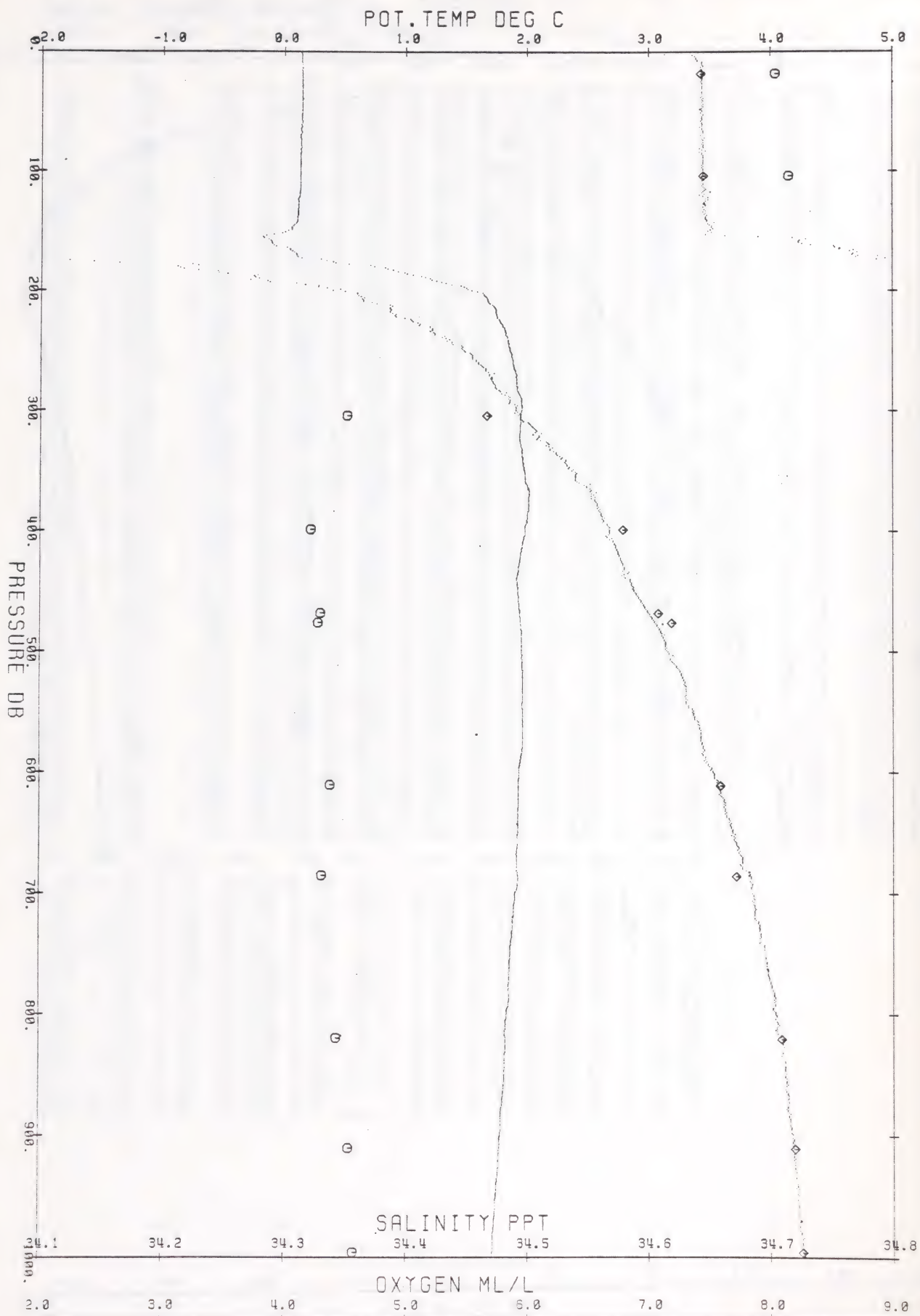


1011

ST 19

LAT -56.245

LONG -16.585

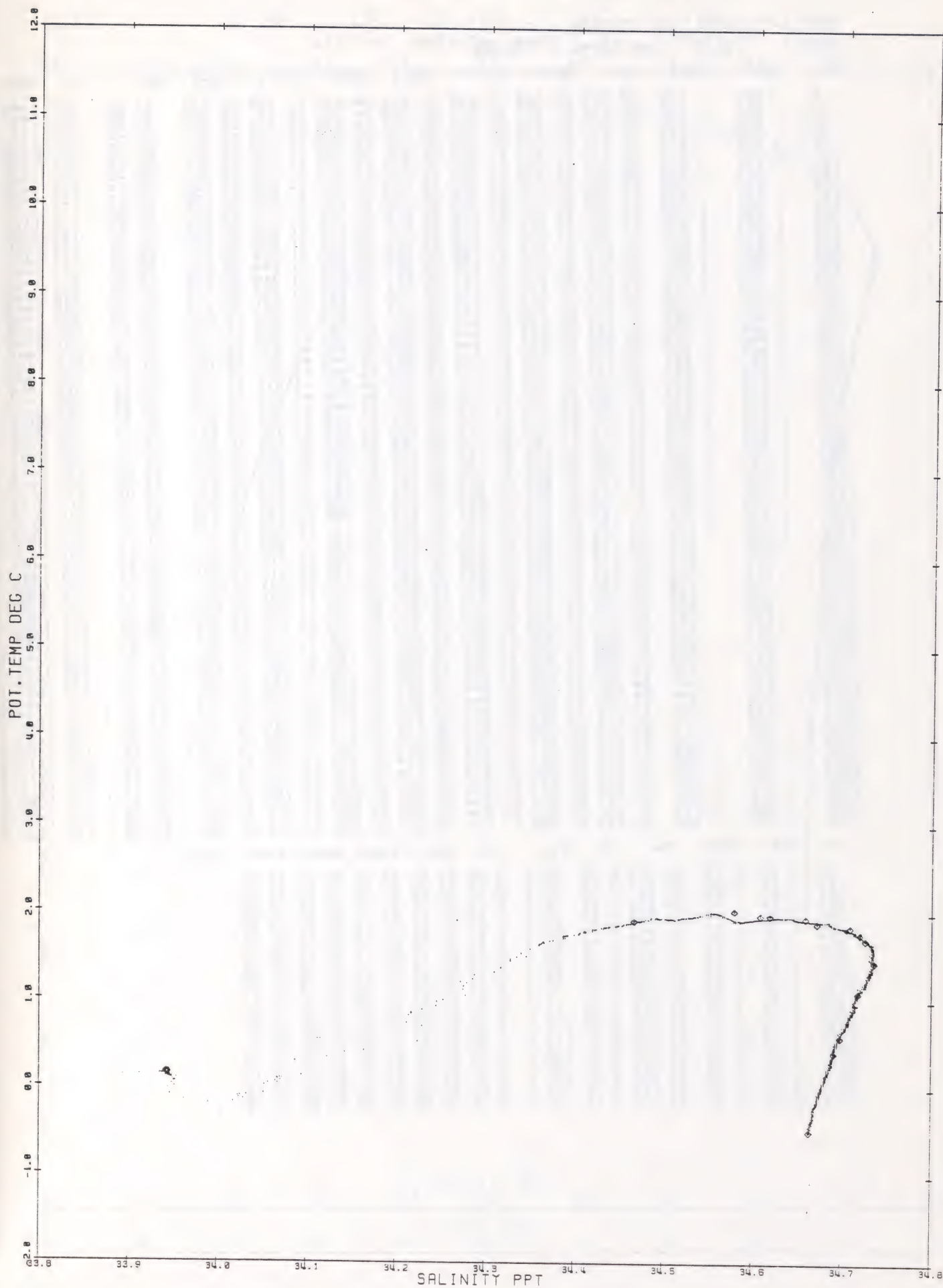


1011

ST 19

LAT -56.245

LONG -16.585





DE	TEMP	THETA	SAL	SGM-T	SGM-O	SGM-1	SGM-2	SGM-3	SGM-4	AN	HZ	SVEL
0	1	1	3	7	0	1	2	3	4	81	23	000
1	1	1	3	7	0	1	2	3	4	81	23	016
2	1	1	3	7	0	1	2	3	4	81	23	033
3	1	1	3	7	0	1	2	3	4	81	23	049
4	1	1	3	7	0	1	2	3	4	81	23	065
5	1	1	3	7	0	1	2	3	4	81	23	081
6	1	1	3	7	0	1	2	3	4	81	23	097
7	1	1	3	7	0	1	2	3	4	81	23	113
8	1	1	3	7	0	1	2	3	4	81	23	127
9	1	1	3	7	0	1	2	3	4	81	23	140
0	1	1	3	7	0	1	2	3	4	81	23	152
1	1	1	3	7	0	1	2	3	4	81	23	163
2	1	1	3	7	0	1	2	3	4	81	23	174
3	1	1	3	7	0	1	2	3	4	81	23	184
4	1	1	3	7	0	1	2	3	4	81	23	194
5	1	1	3	7	0	1	2	3	4	81	23	204
6	1	1	3	7	0	1	2	3	4	81	23	216
7	1	1	3	7	0	1	2	3	4	81	23	225
8	1	1	3	7	0	1	2	3	4	81	23	233
9	1	1	3	7	0	1	2	3	4	81	23	239
0	1	1	3	7	0	1	2	3	4	81	23	244
1	1	1	3	7	0	1	2	3	4	81	23	248
2	1	1	3	7	0	1	2	3	4	81	23	251
3	1	1	3	7	0	1	2	3	4	81	23	253
4	1	1	3	7	0	1	2	3	4	81	23	255
5	1	1	3	7	0	1	2	3	4	81	23	256
6	1	1	3	7	0	1	2	3	4	81	23	257
7	1	1	3	7	0	1	2	3	4	81	23	258
8	1	1	3	7	0	1	2	3	4	81	23	259
9	1	1	3	7	0	1	2	3	4	81	23	260
0	1	1	3	7	0	1	2	3	4	81	23	261
1	1	1	3	7	0	1	2	3	4	81	23	262
2	1	1	3	7	0	1	2	3	4	81	23	263
3	1	1	3	7	0	1	2	3	4	81	23	264
4	1	1	3	7	0	1	2	3	4	81	23	265
5	1	1	3	7	0	1	2	3	4	81	23	266
6	1	1	3	7	0	1	2	3	4	81	23	267
7	1	1	3	7	0	1	2	3	4	81	23	268
8	1	1	3	7	0	1	2	3	4	81	23	269
9	1	1	3	7	0	1	2	3	4	81	23	270
0	1	1	3	7	0	1	2	3	4	81	23	271
1	1	1	3	7	0	1	2	3	4	81	23	272
2	1	1	3	7	0	1	2	3	4	81	23	273
3	1	1	3	7	0	1	2	3	4	81	23	274
4	1	1	3	7	0	1	2	3	4	81	23	275
5	1	1	3	7	0	1	2	3	4			

[illegible]

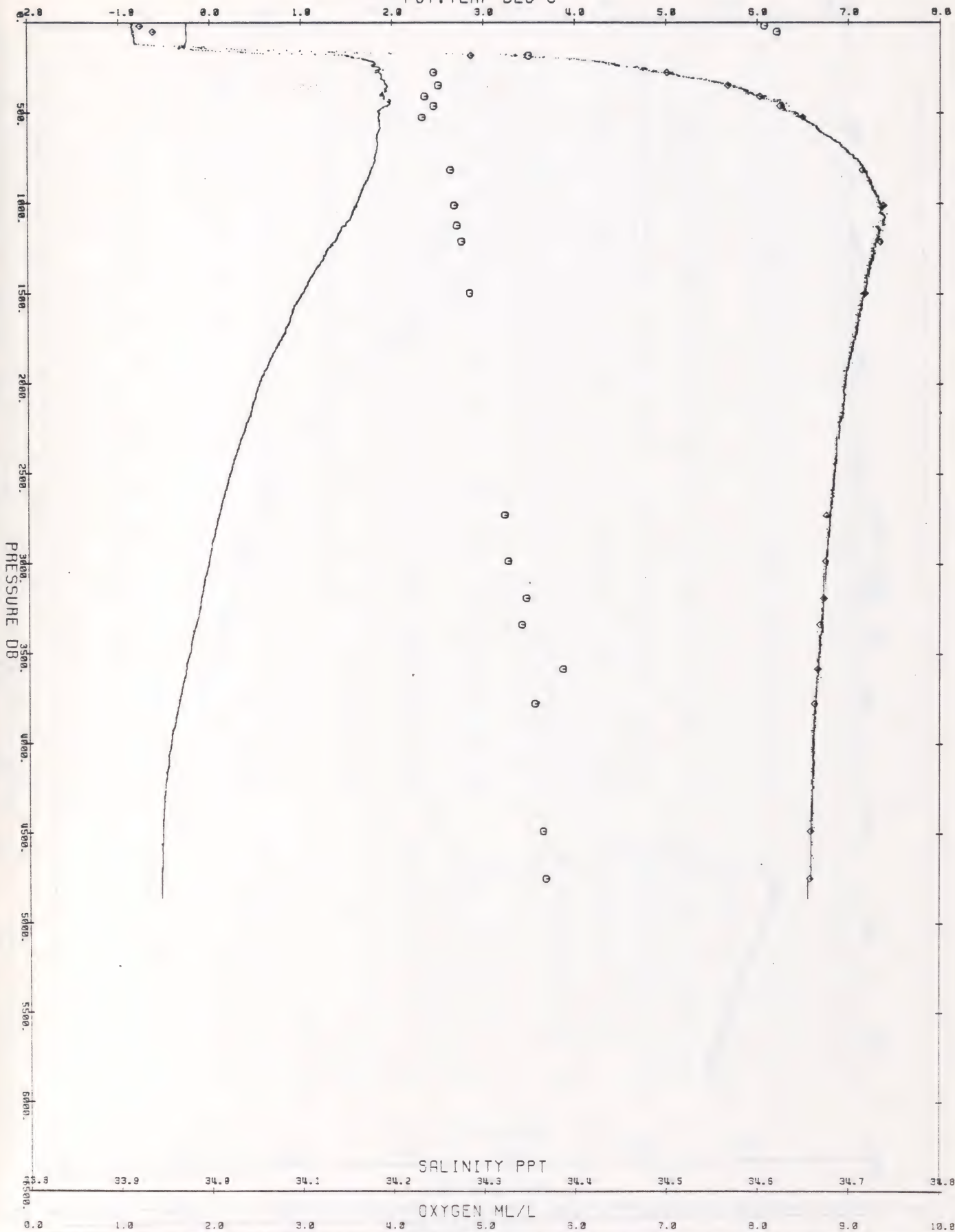
1011

ST 20

LAT -56.186

LONG -14.575

POT. TEMP DEG C





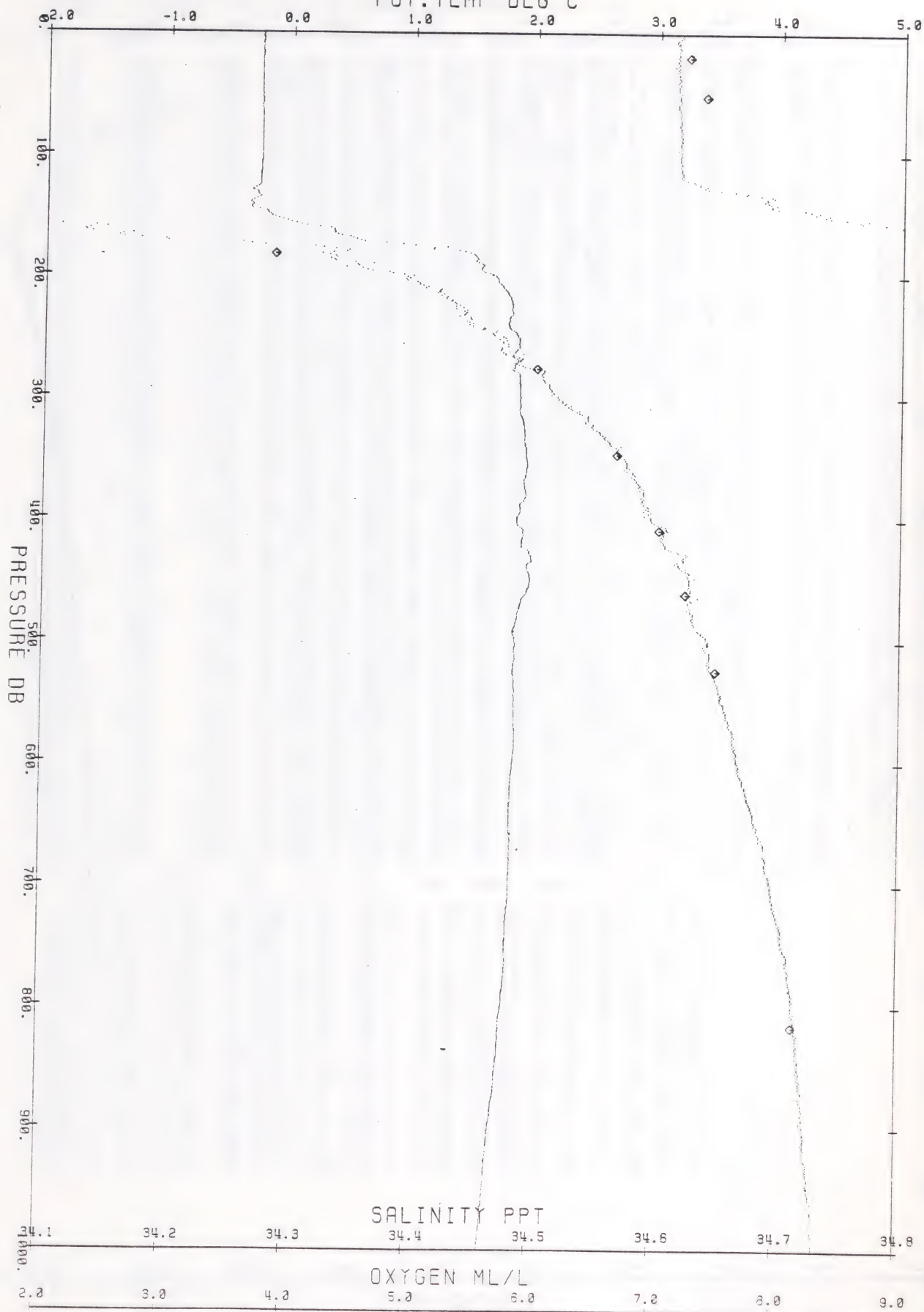
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ST 20

LAT -56.186

LONG -14.575

POT. TEMP DEG C

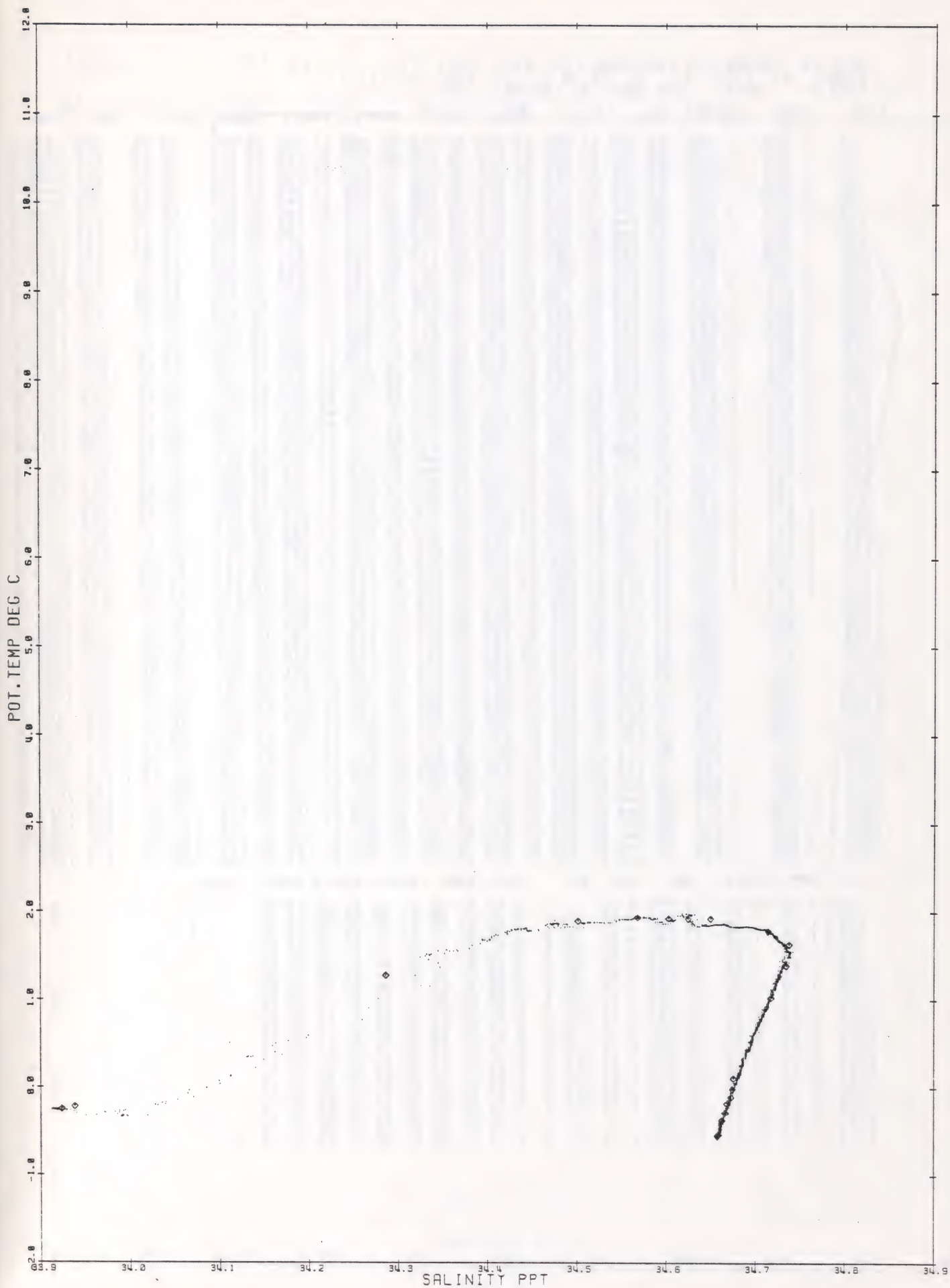


I011

ST 20

LAT -56.186

LONG -14.575





SHIP ID CRUISE 11 STATION 21  
 START 56 17.00 S 12 47.20 W AT 500 76/11/17  
 WIND = 9M/S COR. DEPTH = 4610M

DE	TEMP	THETA	SAL	SGM-T	SGM-O	SGM-1	SGM-2	SGM-3	SGM-4	AN	HZ	SVEL
0	080	080	33	999	27	324	27	324	36	68	75	000
1	044	044	33	999	27	324	27	324	36	68	78	015
2	043	043	33	999	27	324	27	324	36	68	78	031
3	043	043	33	999	27	324	27	324	36	68	78	047
4	043	043	33	999	27	324	27	324	36	68	78	063
5	043	043	33	999	27	324	27	324	36	68	78	078
6	043	043	33	999	27	324	27	324	36	68	78	094
7	043	043	33	999	27	324	27	324	36	68	78	110
8	043	043	33	999	27	324	27	324	36	68	78	125
9	043	043	33	999	27	324	27	324	36	68	78	140
10	043	043	33	999	27	324	27	324	36	68	78	155
11	043	043	33	999	27	324	27	324	36	68	78	170
12	043	043	33	999	27	324	27	324	36	68	78	185
13	043	043	33	999	27	324	27	324	36	68	78	200
14	043	043	33	999	27	324	27	324	36	68	78	215
15	043	043	33	999	27	324	27	324	36	68	78	230
16	043	043	33	999	27	324	27	324	36	68	78	245
17	043	043	33	999	27	324	27	324	36	68	78	260
18	043	043	33	999	27	324	27	324	36	68	78	275
19	043	043	33	999	27	324	27	324	36	68	78	290
20	043	043	33	999	27	324	27	324	36	68	78	305
21	043	043	33	999	27	324	27	324	36	68	78	320
22	043	043	33	999	27	324	27	324	36	68	78	335
23	043	043	33	999	27	324	27	324	36	68	78	350
24	043	043	33	999	27	324	27	324	36	68	78	365
25	043	043	33	999	27	324	27	324	36	68	78	380
26	043	043	33	999	27	324	27	324	36	68	78	395
27	043	043	33	999	27	324	27	324	36	68	78	410
28	043	043	33	999	27	324	27	324	36	68	78	425
29	043	043	33	999	27	324	27	324	36	68	78	440
30	043	043	33	999	27	324	27	324	36	68	78	455
31	043	043	33	999	27	324	27	324	36	68	78	470
32	043	043	33	999	27	324	27	324	36	68	78	485
33	043	043	33	999	27	324	27	324	36	68	78	500
34	043	043	33	999	27	324	27	324	36	68	78	515
35	043	043	33	999	27	324	27	324	36	68	78	530
36	043	043	33	999	27	324	27	324	36	68	78	545
37	043	043	33	999	27	324	27	324	36	68	78	560
38	043	043	33	999	27	324	27	324	36	68	78	575
39	043	043	33	999	27	324	27	324	36	68	78	590
40	043	043	33	999	27	324	27	324	36	68	78	605
41	043	043	33	999	27	324	27	324	36	68	78	620
42	043	043	33	999	27	324	27	324	36	68	78	635
43	043	043	33	999	27	324	27	324	36	68	78	650
44	043	043	33	999	27	324	27	324	36	68	78	665
45	043	043	33	999	27	324	27	324	36	68	78	680
46	043	043	33	999	27	324	27	324	36	68	78	695
47	043	043	33	999	27	324	27	324	36	68	78	710
48	043	043	33	999	27	324	27	324	36	68	78	725
49	043	043	33	999	27	324	27	324	36	68	78	740
50	043	043	33	999	27	324	27	324	36	68	78	755
51	043	043	33	999	27	324	27	324	36	68	78	770
52	043	043	33	999	27	324	27	324	36	68	78	785
53	043	043	33	999	27	324	27	324	36	68	78	800
54	043	043	33	999	27	324	27	324	36	68	78	815
55	043	043	33	999	27	324	27	324	36	68	78	830
56	043	043	33	999	27	324	27	324	36	68	78	845
57	043	043	33	999	27	324	27	324	36	68	78	860
58	043	043	33	999	27	324	27	324	36	68	78	875
59	043	043	33	999	27	324	27	324	36	68	78	890
60	043	043	33	999	27	324	27	324	36	68	78	905
61	043	043	33	999	27	324	27	324	36	68	78	920
62	043	043	33	999	27	324	27	324	36	68	78	935
63	043	043	33	999	27	324	27	324	36	68	78	950
64	043	043	33	999	27	324	27	324	36	68	78	965
65	043	043	33	999	27	324	27	324	36	68	78	980
66	043	043	33	999	27	324	27	324	36	68	78	995
67	043	043	33	999	27	324	27	324	36	68	78	1010
68	043	043	33	999	27	324	27	324	36	68	78	1025
69	043	043	33	999	27	324	27	324	36	68	78	1040
70	043	043	33	999	27	324	27	324	36	68	78	1055
71	043	043	33	999	27	324	27	324	36	68	78	1070
72	043	043	33	999	27	324	27	324	36	68	78	1085
73	043	043	33	999	27	324	27	324	36	68	78	1100
74	043	043	33	999	27	324	27	324	36	68	78	1115
75	043	043	33	999	27	324	27	324	36	68	78	1130
76	043	043	33	999	27	324	27	324	36	68	78	1145
77	043	043	33	999	27	324	27	324	36	68	78	1160
78	043	043	33	999	27	324	27	324	36	68	78	1175
79	043	043	33	999	27	324	27	324	36	68	78	1190
80	043	043	33	999	27	324	27	324	36	68	78	1205
81	043	043	33	999	27	324	27	324	36	68	78	1220
82	043	043	33	999	27	324	27	324	36	68	78	1235
83	043	043	33	999	27	324	27	324	36	68	78	1250
84	043	043	33	999	27	324	27	324	36	68	78	1265
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87	043	043	33	999	27	324	27	324	36	68	78	1310
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89	043	043	33	999	27	324	27	324	36	68	78	1340
90	043	043	33	999	27	324	27	324	36	68	78	1355
91	043	043	33	999	27	324	27	324	36	68	78	1370
92	043	043	33	999	27	324	27	324	36	68	78	1385
93	043	043	33	999	27	324	27	324	36	68	78	1400
94	043	043	33	999	27	324	27	324	36	68	78	1415
95	043	043	33	999	27	324	27	324	36	68	78	1430
96	043	043	33	999	27	324	27	324	36	68	78	1445
97	043	043	33	999	27	324	27	324	36	68	78	1460
98	043	043	33	999	27	324	27	324	36	68	78	1475
99	043	043	33	999	27	324	27	324	36	68	78	1490

DE	TEMP	THETA	SAL	OXY	SIL	PO4	SGM-T	SGM-O	SGM-2	SGM-4	FLAG
33	0	0	33	970	8	1	90	27	30	36	A1
34	0	0	33	970	8	1	90	27	30	36	
35	0	0	33	970	8	1	90	27	30	36	
36	0	0	33	970	8	1	90	27	30	36	
37	0	0	33	970	8	1	90	27	30	36	
38	0	0	33	970	8	1	90	27	30	36	
39	0	0	33	970	8	1	90	27	30	36	
40	0	0	33	970	8	1	90	27	30	36	
41	0	0	33	970	8	1	90	27	30	36	
42	0	0	33	970	8	1	90	27	30	36	
43	0	0	33	970	8	1	90	27	30	36	
44	0	0	33	970	8	1	90	27	30	36	
45	0	0	33	970	8	1	90	27	30	36	
46	0	0	33	970	8	1	90	27	30	36	
47	0	0	33	970	8	1	90	27	30	36	
48	0	0	33	970	8	1	90	27	30	36	
49	0	0	33	970	8	1	90	27	30	36	
50	0	0	33	970	8	1	90	27	30	36	
51	0	0	33	970	8	1	90	27	30	36	
52	0	0	33	970	8	1	90	27	30	36	
53	0	0	33	970	8	1	90	27	30	36	
54	0	0	33	970	8	1	90	27	30	36	
55	0	0	33	970	8	1	90	27	30	36	
56	0	0	33	970	8	1	90	27	30	36	
57	0	0	33	970	8	1	90	27	30	36	
58	0	0	33	970	8	1	90	27	30	36	
59	0	0	33	970	8	1	90	27	30	36	
60	0	0	33	970	8	1	90	27	30	36	
61	0	0	33	970	8	1	90	27	30	36	
62	0	0	33	970	8	1	90	27	30	36	
63	0	0	33	970	8	1	90	27	30	36	
64	0	0	33	970	8	1	90	27	30	36	
65	0	0	33	970	8	1	90	27	30	36	
66	0	0	33	970	8	1	90	27	30	36	
67	0	0	33	970	8	1	90	27	30	36	
68	0	0	33	970	8	1	90	27	30	36	
69	0	0	33	970	8	1	90	27	30	36	
70	0	0	33	970	8	1	90	27	30	36	
71	0	0	33	970	8	1	90	27	30	36	
72	0	0	33	970	8	1	90	27	30	36	
73	0	0	33	970	8	1	90	27	30	36	
74	0	0	33	970	8	1	90	27	30	36	
75	0	0	33	970	8	1	90	27	30	36	
76	0	0	33	970	8	1	90	27	30	36	
77	0	0	33	970	8	1	90	27	30	36	
78	0	0	33	970	8	1	90	27	30	36	
79	0	0	33	970	8	1	90	27	30	36	
80	0	0	33	970	8	1	90	27	30	36	
81	0	0	33	970	8	1	90	27	30	36	
82	0	0	33	970	8	1	90	27	30	36	
83	0	0	33	970	8	1	90	27	30	36	
84	0	0	33	970	8	1	90	27	30	36	
85	0	0	33	970	8	1	90	27	30	36	
86	0	0	33	970	8	1	90	27	30	36	
87	0	0	33	970	8	1	90	27	30	36	
88	0	0	33	970	8	1	90	27	30	36	
89	0	0	33	970	8	1	90	27	30	36	
90	0	0	33	970	8	1	90	27	30	36	
91	0	0	33	970	8	1	90	27	30	36	
92	0	0	33	970	8	1	90	27	30	36	
93	0	0	33	970	8	1	90	27	30	36	
94	0	0	33	970	8	1	90	27	30	36	
95	0	0	33	970	8	1	90	27	30	36	
96	0	0	33	970	8	1	90	27	30	36	
97	0	0	33	970	8	1	90	27	30	36	
98	0	0	33	970	8	1	90	27	30	36	
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100	0	0	33	970	8	1	90	27	30	36	

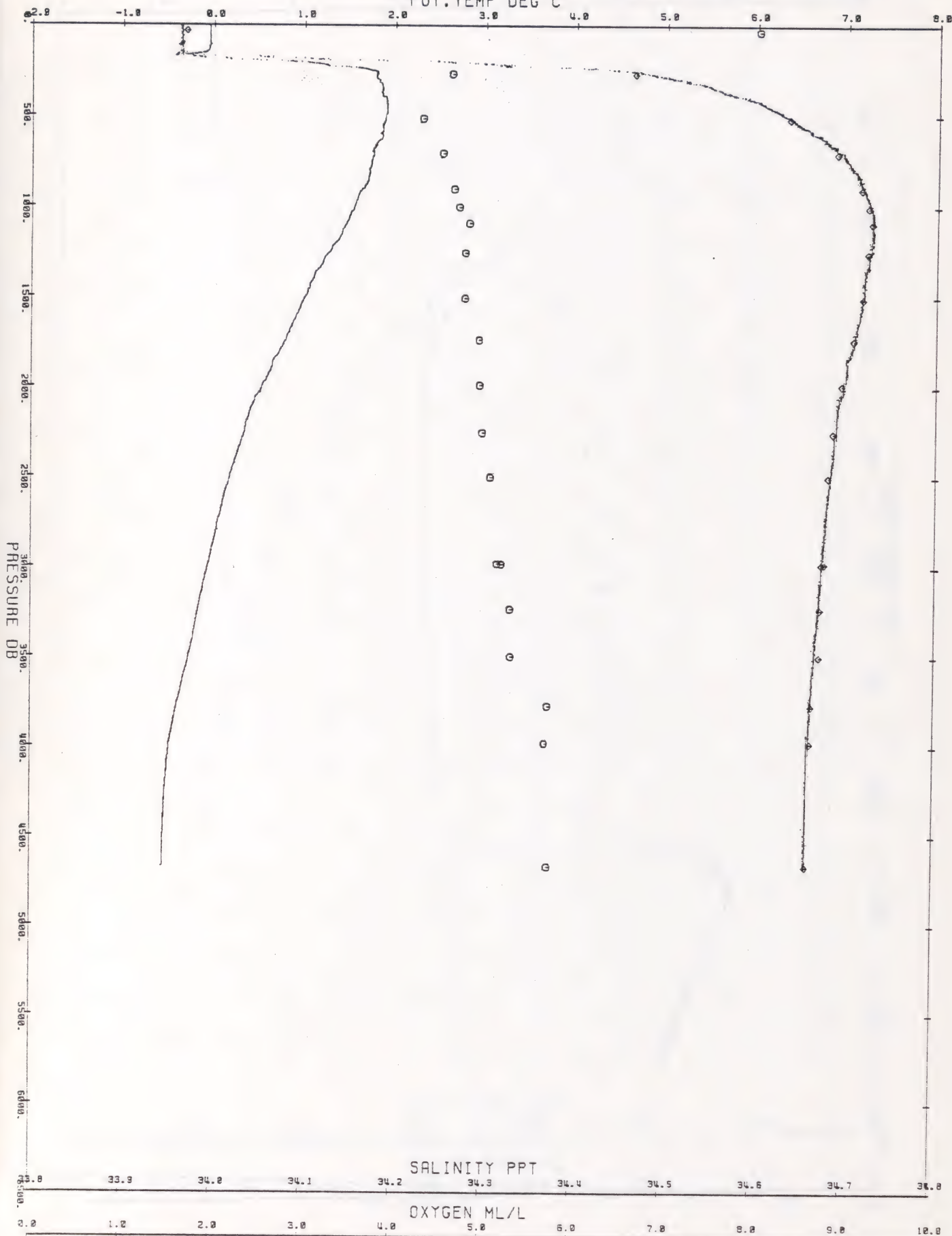
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ST 21

LAT -55.830

LONG -11.528

POT. TEMP DEG C



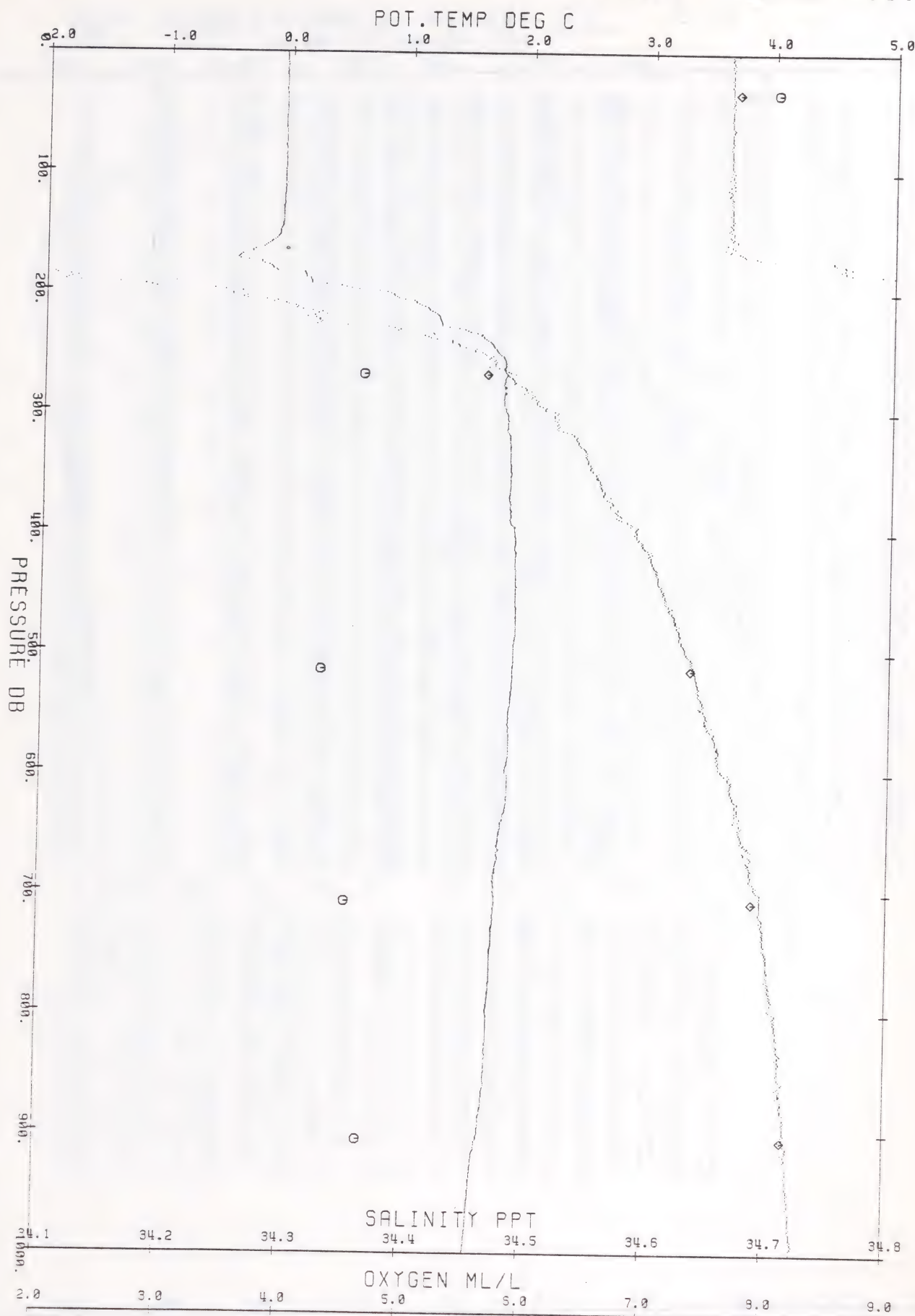


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ST 21

LAT -55.830

LONG -11.528

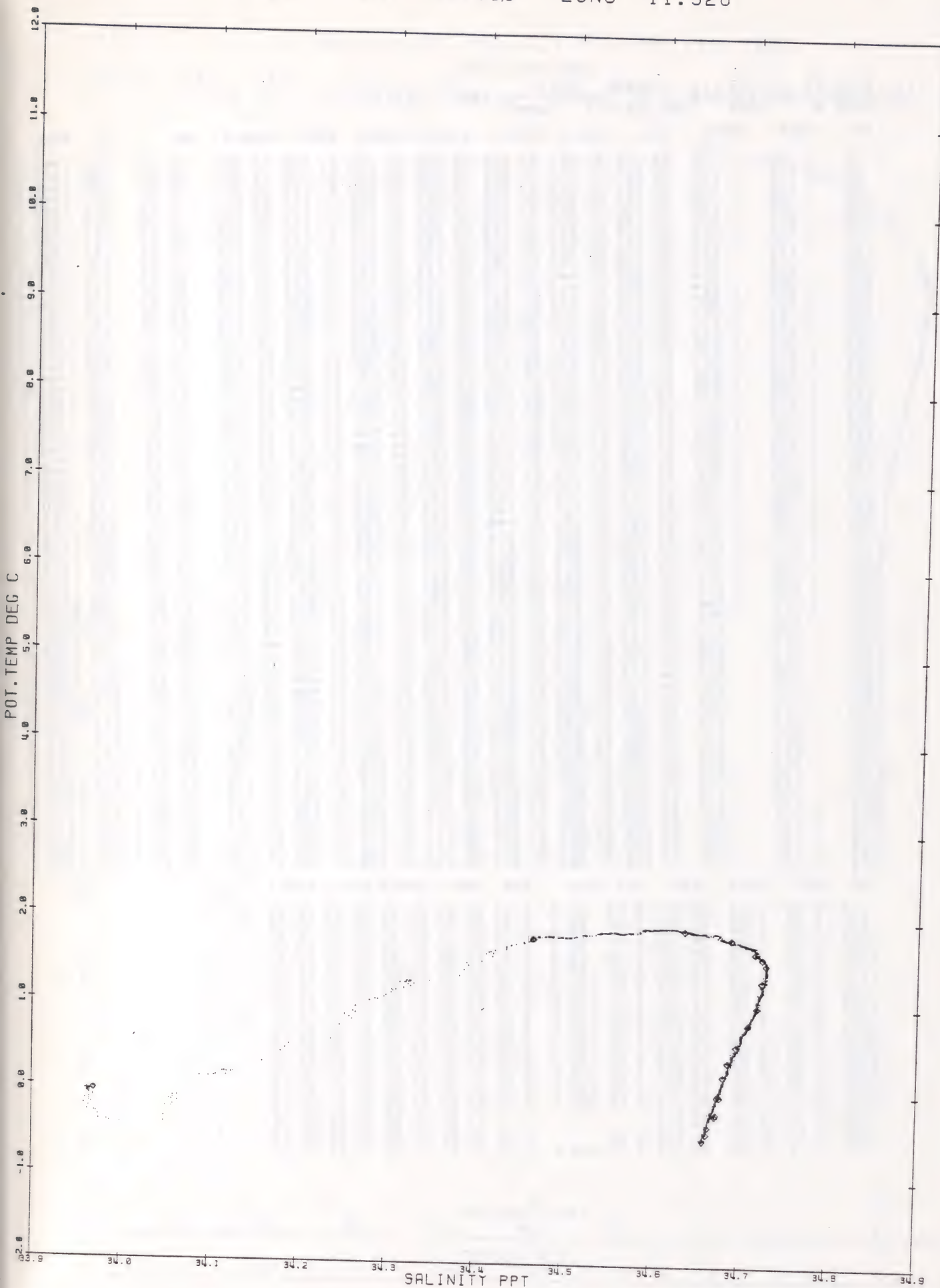


1011

ST 21

LAT -55.830

LONG -11.528





SHIP ID CRUISE 11 STATION 22  
 START 56 12 10 S 10 10.80 W AT 1806 76/11/17  
 WIND = 7M/S COR. DEPTH = 4289M

DE	TEMP	THETA	SAL	SGM-T	SGM-O	SGM-1	SGM-2	SGM-3	SGM-4	AN	HZ	SVEL
0	101	101	33	957	227	29	91	27	27	79	07	000
20	101	101	33	957	227	29	91	27	27	79	03	1447
40	101	101	33	957	227	29	91	27	27	79	00	1447
60	104	106	33	957	227	29	91	27	27	79	07	1448
80	100	103	33	957	227	29	91	27	27	79	07	1448
100	097	100	33	957	227	29	91	27	27	79	07	1448
120	091	095	33	957	227	29	91	27	27	79	07	1448
140	089	094	33	957	227	29	91	27	27	79	07	1448
160	118	124	33	957	227	29	91	27	27	79	07	1448
180	007	007	33	957	227	29	91	27	27	79	07	1448
200	602	594	33	957	227	29	91	27	27	79	07	1448
220	223	224	33	957	227	29	91	27	27	79	07	1448
240	997	984	33	957	227	29	91	27	27	79	07	1448
260	723	709	33	957	227	29	91	27	27	79	07	1448
280	783	770	33	957	227	29	91	27	27	79	07	1448
300	927	911	33	957	227	29	91	27	27	79	07	1448
320	997	984	33	957	227	29	91	27	27	79	07	1448
340	997	984	33	957	227	29	91	27	27	79	07	1448
360	997	984	33	957	227	29	91	27	27	79	07	1448
380	997	984	33	957	227	29	91	27	27	79	07	1448
400	997	984	33	957	227	29	91	27	27	79	07	1448
420	997	984	33	957	227	29	91	27	27	79	07	1448
440	997	984	33	957	227	29	91	27	27	79	07	1448
460	997	984	33	957	227	29	91	27	27	79	07	1448
480	997	984	33	957	227	29	91	27	27	79	07	1448
500	997	984	33	957	227	29	91	27	27	79	07	1448
520	997	984	33	957	227	29	91	27	27	79	07	1448
540	997	984	33	957	227	29	91	27	27	79	07	1448
560	997	984	33	957	227	29	91	27	27	79	07	1448
580	997	984	33	957	227	29	91	27	27	79	07	1448
600	997	984	33	957	227	29	91	27	27	79	07	1448
620	997	984	33	957	227	29	91	27	27	79	07	1448
640	997	984	33	957	227	29	91	27	27	79	07	1448
660	997	984	33	957	227	29	91	27	27	79	07	1448
680	997	984	33	957	227	29	91	27	27	79	07	1448
700	997	984	33	957	227	29	91	27	27	79	07	1448
720	997	984	33	957	227	29	91	27	27	79	07	1448
740	997	984	33	957	227	29	91	27	27	79	07	1448
760	997	984	33	957	227	29	91	27	27	79	07	1448
780	997	984	33	957	227	29	91	27	27	79	07	1448
800	997	984	33	957	227	29	91	27	27	79	07	1448
820	997	984	33	957	227	29	91	27	27	79	07	1448
840	997	984	33	957	227	29	91	27	27	79	07	1448
860	997	984	33	957	227	29	91	27	27	79	07	1448
880	997	984	33	957	227	29	91	27	27	79	07	1448
900	997	984	33	957	227	29	91	27	27	79	07	1448
920	997	984	33	957	227	29	91	27	27	79	07	1448
940	997	984	33	957	227	29	91	27	27	79	07	1448
960	997	984	33	957	227	29	91	27	27	79	07	1448
980	997	984	33	957	227	29	91	27	27	79	07	1448
1000	997	984	33	957	227	29	91	27	27	79	07	1448

DE	TEMP	THETA	SAL	DOY	SIL	PO4	SGM-T	SGM-O	SGM-2	SGM-4	FLAG
0	101	101	33	957	227	29	91	27	27	79	A1
20	101	101	33	957	227	29	91	27	27	79	
40	101	101	33	957	227	29	91	27	27	79	
60	104	106	33	957	227	29	91	27	27	79	
80	100	103	33	957	227	29	91	27	27	79	
100	097	100	33	957	227	29	91	27	27	79	
120	091	095	33	957	227	29	91	27	27	79	
140	089	094	33	957	227	29	91	27	27	79	
160	118	124	33	957	227	29	91	27	27	79	
180	007	007	33	957	227	29	91	27	27	79	
200	602	594	33	957	227	29	91	27	27	79	
220	223	224	33	957	227	29	91	27	27	79	
240	997	984	33	957	227	29	91	27	27	79	
260	723	709	33	957	227	29	91	27	27	79	
280	783	770	33	957	227	29	91	27	27	79	
300	927	911	33	957	227	29	91	27	27	79	
320	997	984	33	957	227	29	91	27	27	79	
340	997	984	33	957	227	29	91	27	27	79	
360	997	984	33	957	227	29	91	27	27	79	
380	997	984	33	957	227	29	91	27	27	79	
400	997	984	33	957	227	29	91	27	27	79	
420	997	984	33	957	227	29	91	27	27	79	
440	997	984	33	957	227	29	91	27	27	79	
460	997	984	33	957	227	29	91	27	27	79	
480	997	984	33	957	227	29	91	27	27	79	
500	997	984	33	957	227	29	91	27	27	79	
520	997	984	33	957	227	29	91	27	27	79	
540	997	984	33	957	227	29	91	27	27	79	
560	997	984	33	957	227	29	91	27	27	79	
580	997	984	33	957	227	29	91	27	27	79	
600	997	984	33	957	227	29	91	27	27	79	
620	997	984	33	957	227	29	91	27	27	79	
640	997	984	33	957	227	29	91	27	27	79	
660	997	984	33	957	227	29	91	27	27	79	
680	997	984	33	957	227	29	91	27	27	79	
700	997	984	33	957	227	29	91	27	27	79	
720	997	984	33	957	227	29	91	27	27	79	
740	997	984	33	957	227	29	91	27	27	79	
760	997	984	33	957	227	29	91	27	27	79	
780	997	984	33	957	227	29	91	27	27	79	
800	997	984	33	957	227	29	91	27	27	79	
820	997	984	33	957	227	29	91	27	27	79	
840	997	984	33	957	227	29	91	27	27	79	
860	997	984	33	957	227	29	91	27	27	79	
880	997	984	33	957	227	29	91	27	27	79	
900	997	984	33	957	227	29	91	27	27	79	
920	997	984	33	957	227	29	91	27	27	79	
940	997	984	33	957	227	29	91	27	27	79	
960	997	984	33	957	227	29	91	27	27	79	
980	997	984	33	957	227	29	91	27	27	79	
1000	997	984	33	957	227	29	91	27	27	79	

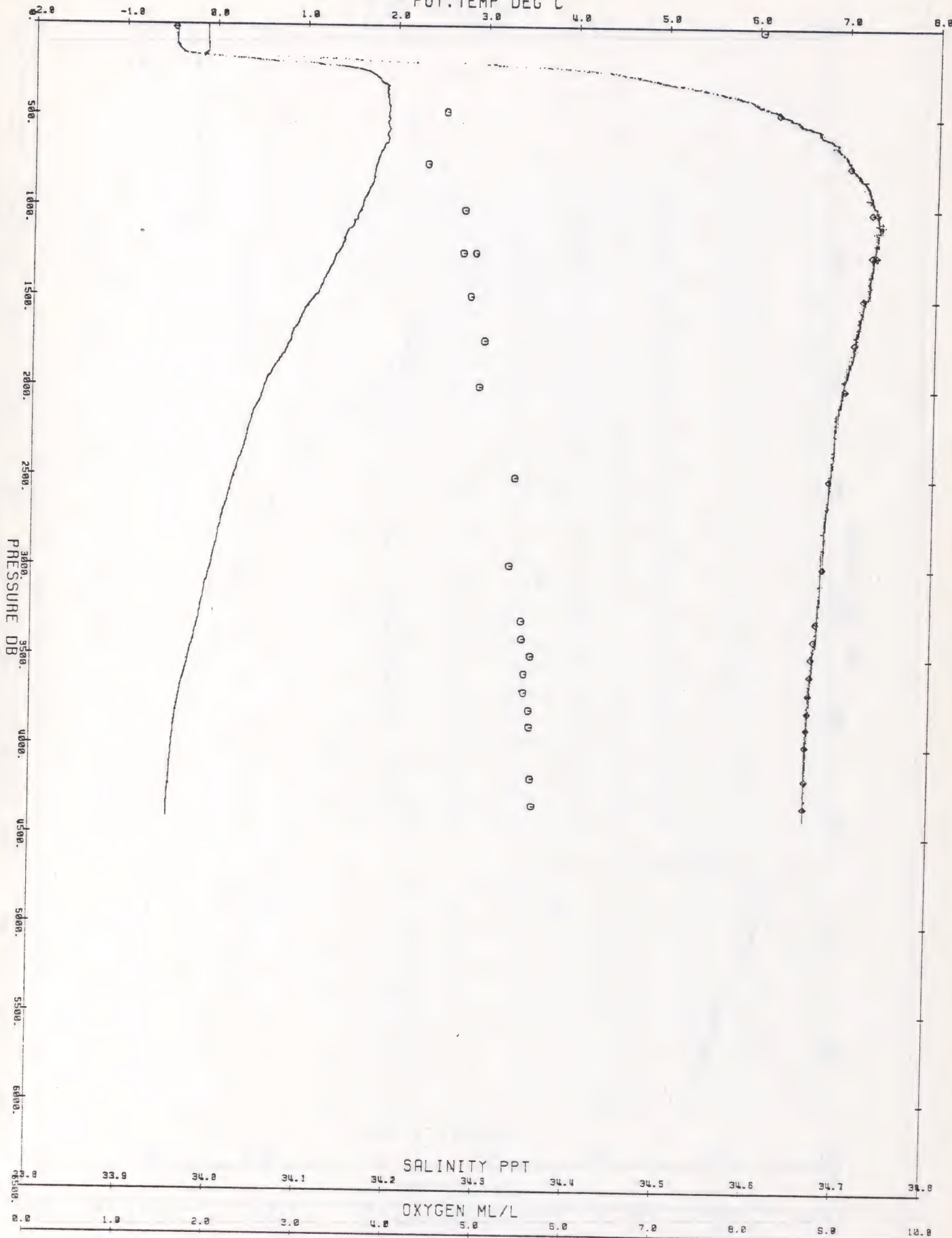
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ST 22

LAT -56.121

LONG -10.108

POT. TEMP DEG C





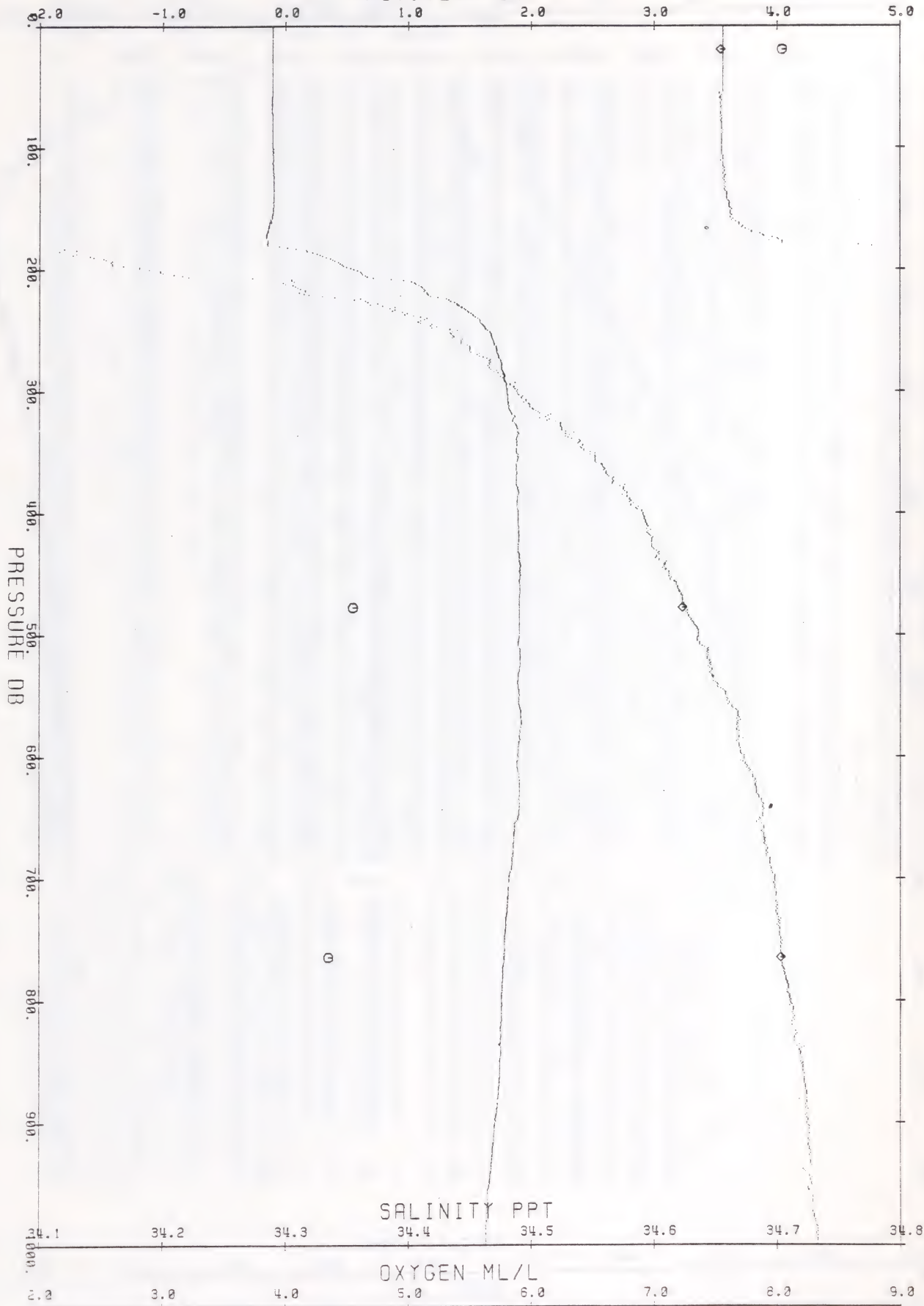
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ST 22

LAT -56.121

LONG -10.108

POT. TEMP DEG C

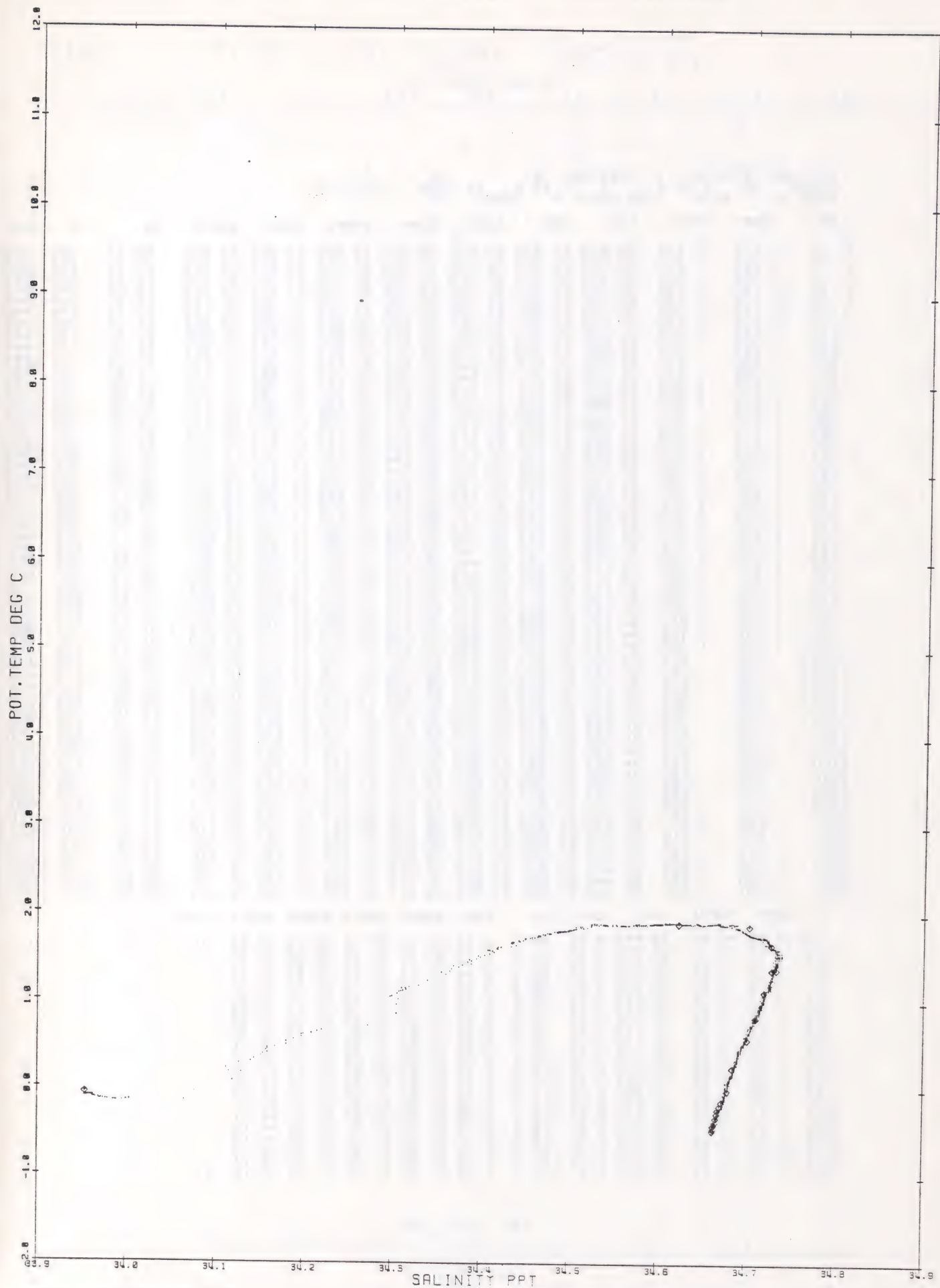


I011

ST 22

LAT -56.121

LONG -10.108





SHIP ID CRUISE 11 STATION 23  
START 56 5.30 S 6 57.40 W AT 1339 76/11/18  
WIND = 4M/S COR. DEPTH = 3306M

DE	TEMP	THETA	SAL	SGM-T	SGM-0	SGM-1	SGM-2	SGM-3	SGM-4	AN	HZ	SVEL
0	-1.196	-1.196	33.844	27.244	27.244	32.017	36.673	41.217	45.632	83.53	000	1442.1
20	-1.907	-1.907	33.929	27.302	27.302	32.066	36.712	41.247	45.673	77.93	016	1443.9
40	-1.969	-1.970	33.935	27.310	27.310	32.075	36.724	41.260	45.687	77.14	032	1444.0
60	-1.038	-1.039	33.943	27.319	27.319	32.086	36.737	41.275	45.705	76.20	047	1444.0
80	-1.150	-1.152	33.997	27.366	27.366	32.137	36.790	41.331	45.763	71.59	062	1443.9
100	-1.229	-1.232	34.022	27.389	27.389	32.162	36.818	41.361	45.793	69.29	076	1443.9
120	-1.155	-1.159	34.063	27.421	27.421	32.193	36.847	41.389	45.822	66.18	089	1444.4
140	-1.024	-1.029	34.145	27.481	27.481	32.247	36.895	41.431	45.859	60.47	102	1443.7
160	-1.003	-1.009	34.239	27.529	27.529	32.272	36.899	41.414	45.822	56.24	114	1449.4
180	-1.003	-1.003	34.394	27.603	27.604	32.317	36.916	41.403	45.784	49.66	124	1454.3
200	-1.003	-1.003	34.449	27.619	27.620	32.322	36.915	41.387	45.758	48.37	134	1456.3
220	-1.003	-1.003	34.539	27.642	27.642	32.333	36.915	41.383	45.746	46.46	144	1458.5
240	-1.003	-1.003	34.566	27.671	27.673	32.348	36.920	41.382	45.738	44.88	153	1459.9
260	-1.003	-1.003	34.566	27.671	27.673	32.356	36.926	41.386	45.740	43.98	162	1460.0
280	-1.003	-1.003	34.566	27.682	27.684	32.367	36.935	41.393	45.747	43.05	170	1460.7
300	-1.003	-1.003	34.566	27.688	27.690	32.371	36.939	41.396	45.748	42.60	179	1461.2
320	-1.003	-1.003	34.605	27.697	27.699	32.378	36.944	41.399	45.749	41.91	189	1461.9
340	-1.003	-1.003	34.617	27.709	27.710	32.391	36.957	41.413	45.764	40.90	200	1462.3
360	-1.003	-1.003	34.638	27.720	27.721	32.399	36.963	41.417	45.766	40.05	210	1463.0
380	-1.003	-1.003	34.647	27.729	27.730	32.409	36.973	41.428	45.778	39.28	220	1463.4
400	-1.003	-1.003	34.653	27.735	27.737	32.416	36.981	41.436	45.786	38.78	230	1463.7
420	-1.003	-1.003	34.653	27.741	27.743	32.425	36.992	41.450	45.802	38.17	239	1463.3
440	-1.003	-1.003	34.653	27.748	27.750	32.433	36.992	41.460	45.813	37.56	249	1464.0
460	-1.003	-1.003	34.653	27.759	27.759	32.441	36.992	41.470	45.824	36.97	258	1464.3
480	-1.003	-1.003	34.653	27.766	27.769	32.452	36.992	41.480	45.834	36.11	267	1465.2
500	-1.003	-1.003	34.653	27.777	27.780	32.463	36.992	41.490	45.843	35.30	276	1466.1
520	-1.003	-1.003	34.703	27.786	27.789	32.472	36.992	41.500	45.853	34.64	285	1466.9
540	-1.003	-1.003	34.714	27.796	27.798	32.482	36.992	41.510	45.864	33.92	294	1467.7
560	-1.003	-1.003	34.715	27.801	27.804	32.490	36.992	41.522	45.878	33.45	303	1468.2
580	-1.003	-1.003	34.720	27.805	27.808	32.493	36.992	41.531	45.888	33.13	312	1468.8
600	-1.003	-1.003	34.720	27.811	27.814	32.502	36.992	41.538	45.896	32.72	321	1469.9
620	-1.003	-1.003	34.717	27.816	27.819	32.510	36.992	41.553	45.913	32.19	329	1470.5
640	-1.003	-1.003	34.720	27.820	27.823	32.518	36.992	41.564	45.925	31.61	338	1471.1
660	-1.003	-1.003	34.721	27.823	27.826	32.523	36.992	41.570	45.933	31.36	347	1471.7
680	-1.003	-1.003	34.714	27.823	27.826	32.533	36.992	41.590	45.957	30.65	356	1472.2
700	-1.003	-1.003	34.707	27.834	27.838	32.541	36.992	41.605	45.976	30.19	365	1473.3
720	-1.003	-1.003	34.703	27.840	27.844	32.551	36.992	41.623	45.997	29.38	374	1474.4
740	-1.003	-1.003	34.701	27.843	27.848	32.558	36.992	41.636	46.013	28.93	383	1475.6
760	-1.003	-1.003	34.698	27.849	27.850	32.562	36.992	41.644	46.024	28.52	392	1476.0
780	-1.003	-1.003	34.695	27.849	27.852	32.567	36.992	41.653	46.035	28.18	401	1477.3
800	-1.003	-1.003	34.692	27.849	27.852	32.572	36.992	41.662	46.046	27.74	410	1478.7
820	-1.003	-1.003	34.694	27.852	27.858	32.575	36.992	41.668	46.052	27.50	419	1480.3
840	-1.003	-1.003	34.693	27.854	27.860	32.580	36.992	41.676	46.062	27.09	428	1481.3
860	-1.003	-1.003	34.690	27.856	27.862	32.583	36.992	41.684	46.072	26.66	437	1482.2
880	-1.003	-1.003	34.687	27.856	27.862	32.587	36.992	41.694	46.081	26.26	446	1483.5
900	-1.003	-1.003	34.684	27.856	27.862	32.591	36.992	41.699	46.091	25.95	455	1484.7
920	-1.003	-1.003	34.684	27.856	27.862	32.595	36.992	41.704	46.097	25.49	464	1485.9
940	-1.003	-1.003	34.684	27.856	27.862	32.599	36.992	41.709	46.103	25.23	473	1487.1
960	-1.003	-1.003	34.684	27.856	27.862	32.602	36.992	41.716	46.111	24.74	482	1488.6
980	-1.003	-1.003	34.684	27.856	27.862	32.607	36.992	41.722	46.118	24.34	491	1490.3
1000	-1.003	-1.003	34.684	27.856	27.862	32.608	36.992	41.727	46.125	23.96	500	1491.6
1020	-1.003	-1.003	34.684	27.856	27.862	32.612	36.992	41.731	46.130	23.68	509	1493.3
1040	-1.003	-1.003	34.684	27.856	27.862	32.612	36.992	41.735	46.135	23.36	518	1494.6
1060	-1.003	-1.003	34.684	27.856	27.862	32.612	36.992	41.738	46.139	23.06	527	1496.4
1080	-1.003	-1.003	34.684	27.856	27.862	32.612	36.992	41.744	46.147	22.74	536	1498.0
1100	-1.003	-1.003	34.684	27.856	27.862	32.612	36.992	41.749	46.153	22.35	545	1500.2
1120	-1.003	-1.003	34.684	27.856	27.862	32.612	36.992	41.749	46.153	21.95	554	1502.6

DE	TEMP	THETA	SAL	OXY	SIL	PO4	SGM-T	SGM-0	SGM-2	SGM-4	FLAG
0	-1.092	-1.092	33.942	8.882	6.500	1.995	32.017	36.673	41.217	45.632	A1
20	-1.116	-1.116	33.942	8.882	6.500	1.995	32.066	36.712	41.247	45.673	
40	-1.137	-1.137	33.942	8.882	6.500	1.995	32.075	36.724	41.260	45.687	
60	-1.150	-1.150	33.942	8.882	6.500	1.995	32.086	36.737	41.275	45.705	
80	-1.170	-1.170	33.942	8.882	6.500	1.995	32.137	36.790	41.331	45.763	
100	-1.190	-1.190	33.942	8.882	6.500	1.995	32.162	36.818	41.361	45.793	
120	-1.210	-1.210	33.942	8.882	6.500	1.995	32.193	36.847	41.389	45.822	
140	-1.230	-1.230	33.942	8.882	6.500	1.995	32.247	36.895	41.431	45.859	
160	-1.250	-1.250	33.942	8.882	6.500	1.995	32.272	36.899	41.414	45.822	
180	-1.270	-1.270	33.942	8.882	6.500	1.995	32.317	36.916	41.403	45.784	
200	-1.290	-1.290	33.942	8.882	6.500	1.995	32.322	36.915	41.387	45.758	
220	-1.310	-1.310	33.942	8.882	6.500	1.995	32.333	36.915	41.383	45.746	
240	-1.330	-1.330	33.942	8.882	6.500	1.995	32.348	36.920	41.382	45.738	
260	-1.350	-1.350	33.942	8.882	6.500	1.995	32.356	36.926	41.386	45.740	
280	-1.370	-1.370	33.942	8.882	6.500	1.995	32.367	36.935	41.393	45.747	
300	-1.390	-1.390	33.942	8.882	6.500	1.995	32.371	36.939	41.396	45.748	
320	-1.410	-1.410	33.942	8.882	6.500	1.995	32.378	36.944	41.399	45.749	
340	-1.430	-1.430	33.942	8.882	6.500	1.995	32.391	36.957	41.413	45.764	
360	-1.450	-1.450	33.942	8.882	6.500	1.995	32.399	36.963	41.417	45.766	
380	-1.470	-1.470	33.942	8.882	6.500	1.995	32.409	36.973	41.428	45.778	
400	-1.490	-1.490	33.942	8.882	6.500	1.995	32.416	36.981	41.436	45.786	
420	-1.510	-1.510	33.942	8.882	6.500	1.995	32.425	36.992	41.450	45.802	
440	-1.530	-1.530	33.942	8.882	6.500	1.995	32.433	36.992	41.460	45.813	
460	-1.550	-1.550	33.942	8.882	6.500	1.995	32.441	36.992	41.470	45.824	
480	-1.570	-1.570	33.942	8.882	6.500	1.995	32.452	36.992	41.480	45.834	
500	-1.590	-1.590	33.942	8.882	6.500	1.995	32.463	36.992	41.490	45.843	
520	-1.610	-1.610	33.942	8.882	6.500	1.995	32.472	36.992	41.500	45.853	
540	-1.630	-1.630	33.942	8.882	6.500	1.995	32.482	36.992	41.510	45.864	
560	-1.650	-1.650	33.942	8.882	6.500	1.995	32.490	36.992	41.522	45.878	
580	-1.670	-1.670	33.942	8.882	6.500	1.995	32.493	36.992	41.531	45.888	
600	-1.690	-1.690	33.942	8.882	6.500	1.995	32.502	36.992	41.538	45.896	
620	-1.710	-1.710	33.942	8.882	6.500	1.995	32.510	36.992	41.553	45.913	
640	-1.730	-1.730	33.942	8.882	6.500	1.995	32.518	36.992	41.564	45.925	
660	-1.750	-1.750	33.942	8.882	6.500	1.995	32.523	36.992	41.570	45.933	
680	-1.770	-1.770	33.942	8.882	6.500	1.995	32.529	36.992	41.575	45.939	
700	-1.790	-1.790	33.942	8.882	6.500	1.995	32.534	36.992	41.580	45.944	
720	-1.810	-1.810	33.942	8.882	6.500	1.995	32.539	36.992	41.585	45.949	
740	-1.830	-1.830	33.942	8.882	6.500	1.995	32.544	36.992	41.590	45.954	
760	-1.850	-1.850	33.942	8.882	6.500	1.995	32.549	36.992	41.595	45.959	
780	-1.870	-1.870	33.942	8.882	6.500	1.995	32.554	36.992	41.600	45.964	
800	-1.890	-1.890	33.942	8.882	6.500	1.995	32.559	36.992	41.605	45.969	
820	-1.910	-1.910	33.942	8.882	6.500	1.995	32.564	36.992	41.610	45.974	
840	-1.930	-1.930	33.942	8.882	6.500	1.995	32.569	36.992	41.615	45.979	
860	-1.950	-1.950	33.942	8.882	6.500	1.995	32.574	36.992	41.620	45.984	
880	-1.970	-1.970	33.942	8.882	6.500	1.995	32.579	36.992	41.625	45.989	
900	-1.990	-1.990	33.942	8.882	6.500	1.995	32.584	36.992	41.630	45.994	
920	-2.010	-2.010	33.942	8.882	6.500	1.995	32.589	36.992	41.635	45.999	
940	-2.030	-2.030	33.942	8.882	6.500	1.995	32.594	36.992	41.640	46.004	
960	-2.050	-2.050	33.942	8.882	6.500	1.995	32.599	36.992	41.645	46.009	
980	-2.070	-2.070	33.942	8.882	6.500	1.995	32.604	36.992	41.650	46.014	
1000	-2.090	-2.090	33.942	8.882	6.500	1.995	32.609	36.992	41.655	46.019	

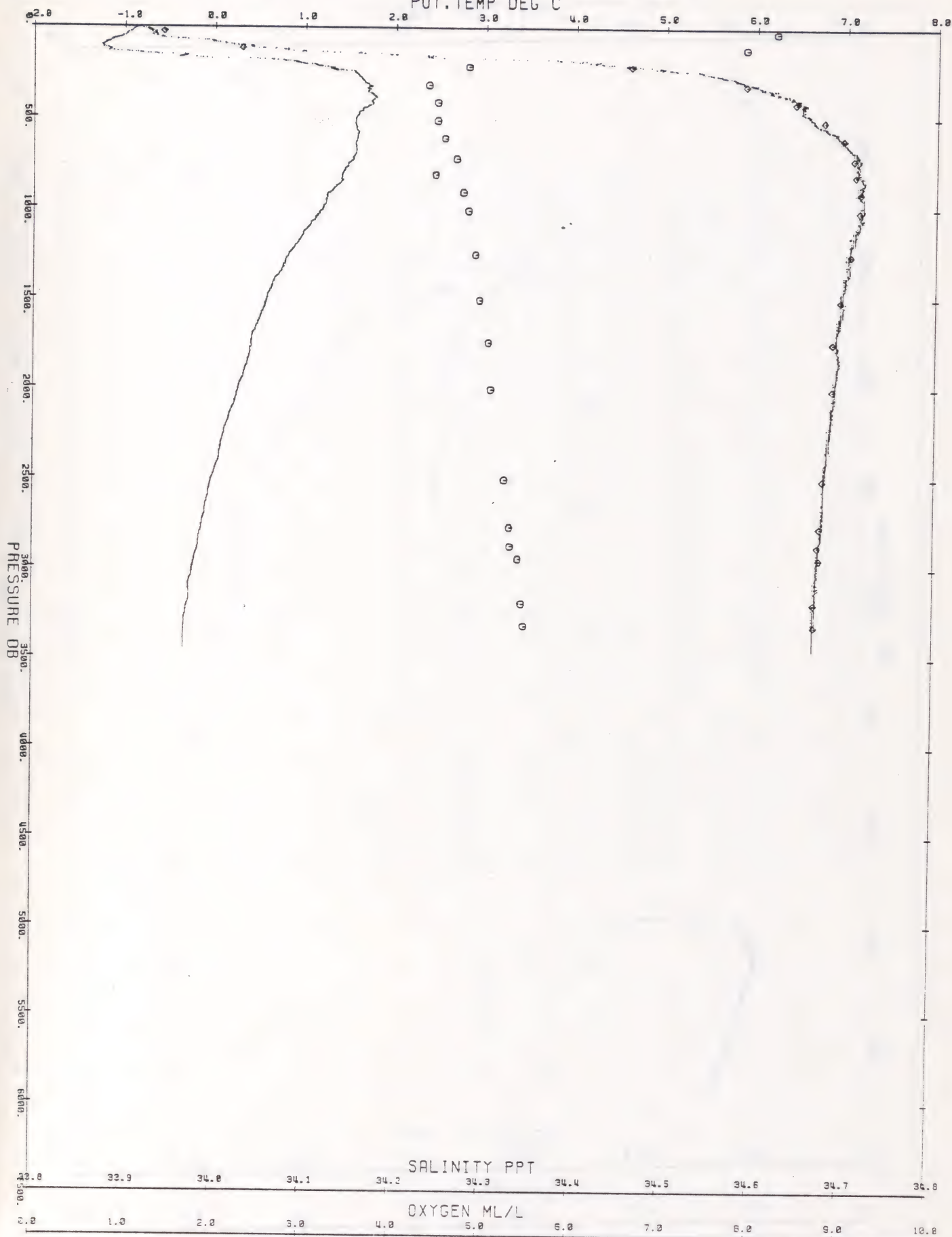
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ST 23

LAT -56.063

LONG -6.574

POT. TEMP DEG C





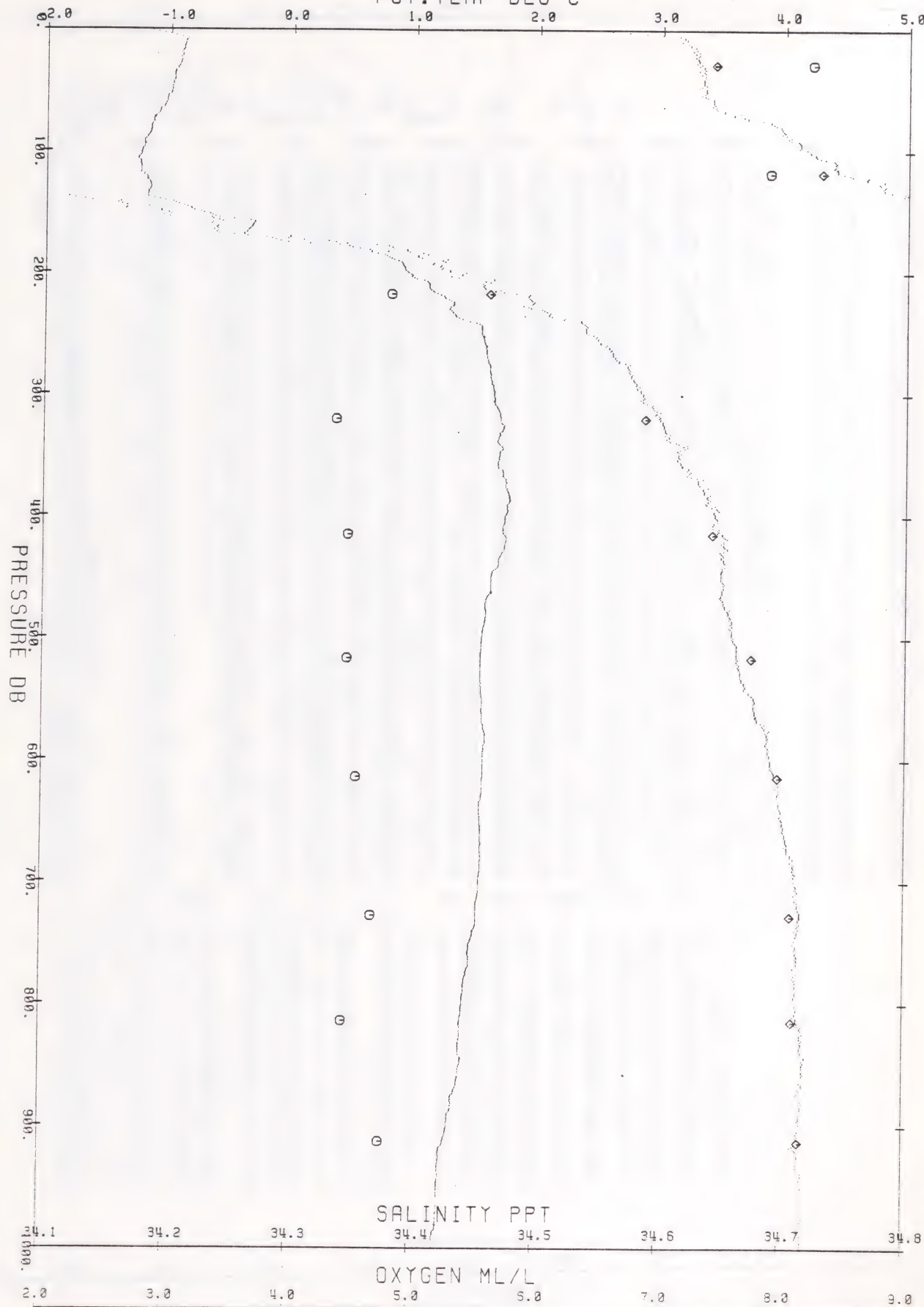
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ST 23

LAT -56.063

LONG -6.574

POT. TEMP DEG C

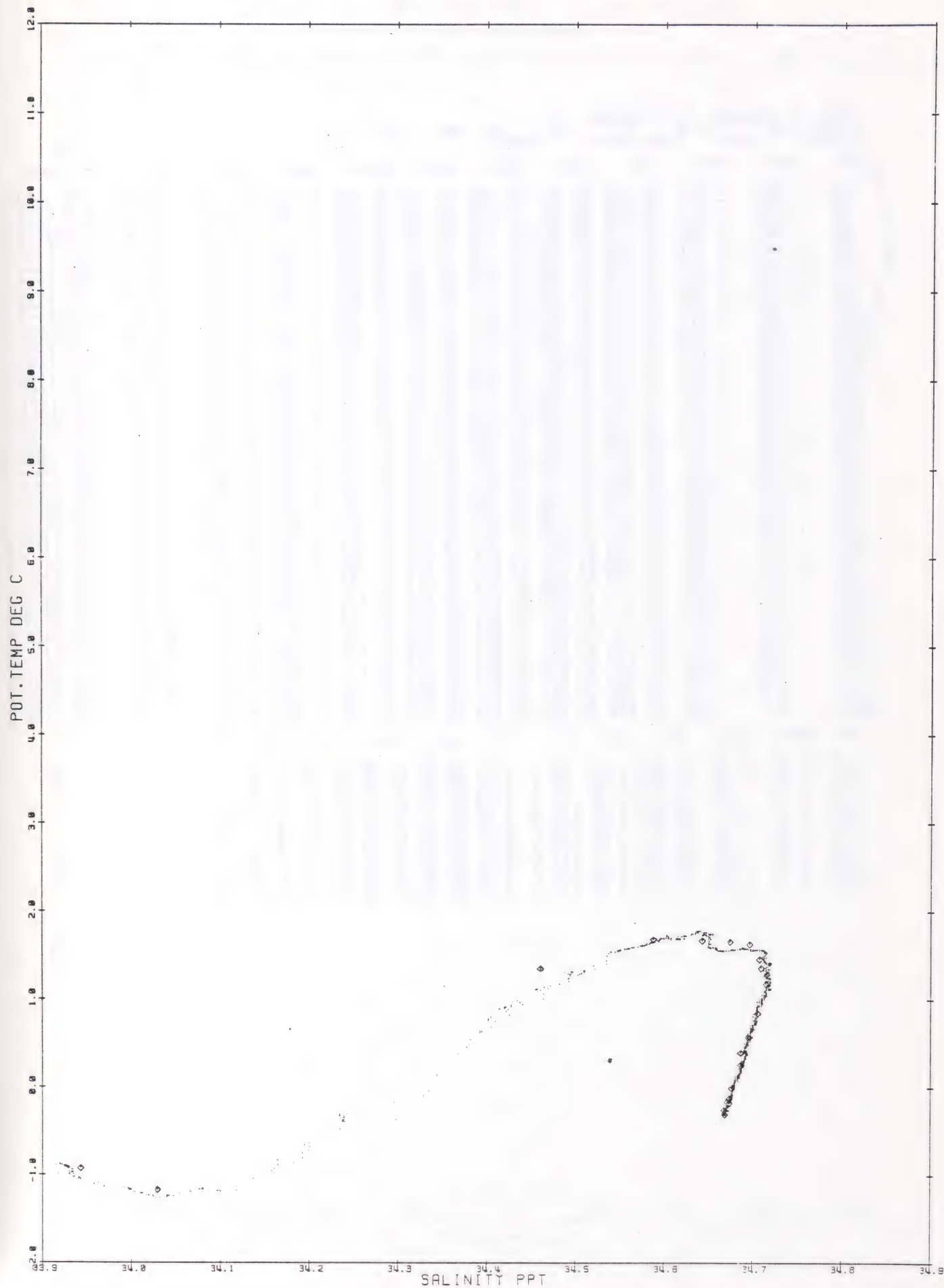


1011

ST 23

LAT -56.063

LONG -6.574





SHIP ID CRUISE 11 STATION 24  
START 56 60 S 4 1.30 W AT 750 76/11/19  
WIND = 9M/S COR. DEPTH = 1840M

DE	TEMP	THETA	SAL	SGM-T	SGM-0	SGM-1	SGM-2	SGM-3	SGM-4	AN	HZ	SVEL									
0	977	977	333	996	27	360	27	360	32	1225	36	773	41	309	45	736	72	58	000	1443	4
20	977	977	333	993	27	339	27	339	32	1224	36	772	41	308	45	736	72	57	015	1443	7
40	978	979	333	993	27	339	27	339	32	1224	36	772	41	308	45	736	72	48	029	1444	0
60	979	981	333	993	27	339	27	339	32	1224	36	772	41	308	45	736	72	43	044	1444	4
80	997	1000	333	996	27	360	27	360	32	1226	36	775	41	311	45	739	72	23	058	1444	6
100	128	131	34	024	27	438	27	438	32	1227	36	810	41	350	45	781	69	47	072	1444	4
120	128	131	34	024	27	438	27	438	32	1227	36	810	41	350	45	781	69	47	072	1444	4
140	128	131	34	024	27	438	27	438	32	1227	36	810	41	350	45	781	69	47	072	1444	4
160	128	131	34	024	27	438	27	438	32	1227	36	810	41	350	45	781	69	47	072	1444	4
180	128	131	34	024	27	438	27	438	32	1227	36	810	41	350	45	781	69	47	072	1444	4
200	128	131	34	024	27	438	27	438	32	1227	36	810	41	350	45	781	69	47	072	1444	4
220	128	131	34	024	27	438	27	438	32	1227	36	810	41	350	45	781	69	47	072	1444	4
240	128	131	34	024	27	438	27	438	32	1227	36	810	41	350	45	781	69	47	072	1444	4
260	128	131	34	024	27	438	27	438	32	1227	36	810	41	350	45	781	69	47	072	1444	4
280	128	131	34	024	27	438	27	438	32	1227	36	810	41	350	45	781	69	47	072	1444	4
300	128	131	34	024	27	438	27	438	32	1227	36	810	41	350	45	781	69	47	072	1444	4
320	128	131	34	024	27	438	27	438	32	1227	36	810	41	350	45	781	69	47	072	1444	4
340	128	131	34	024	27	438	27	438	32	1227	36	810	41	350	45	781	69	47	072	1444	4
360	128	131	34	024	27	438	27	438	32	1227	36	810	41	350	45	781	69	47	072	1444	4
380	128	131	34	024	27	438	27	438	32	1227	36	810	41	350	45	781	69	47	072	1444	4
400	128	131	34	024	27	438	27	438	32	1227	36	810	41	350	45	781	69	47	072	1444	4
420	128	131	34	024	27	438	27	438	32	1227	36	810	41	350	45	781	69	47	072	1444	4
440	128	131	34	024	27	438	27	438	32	1227	36	810	41	350	45	781	69	47	072	1444	4
460	128	13																			

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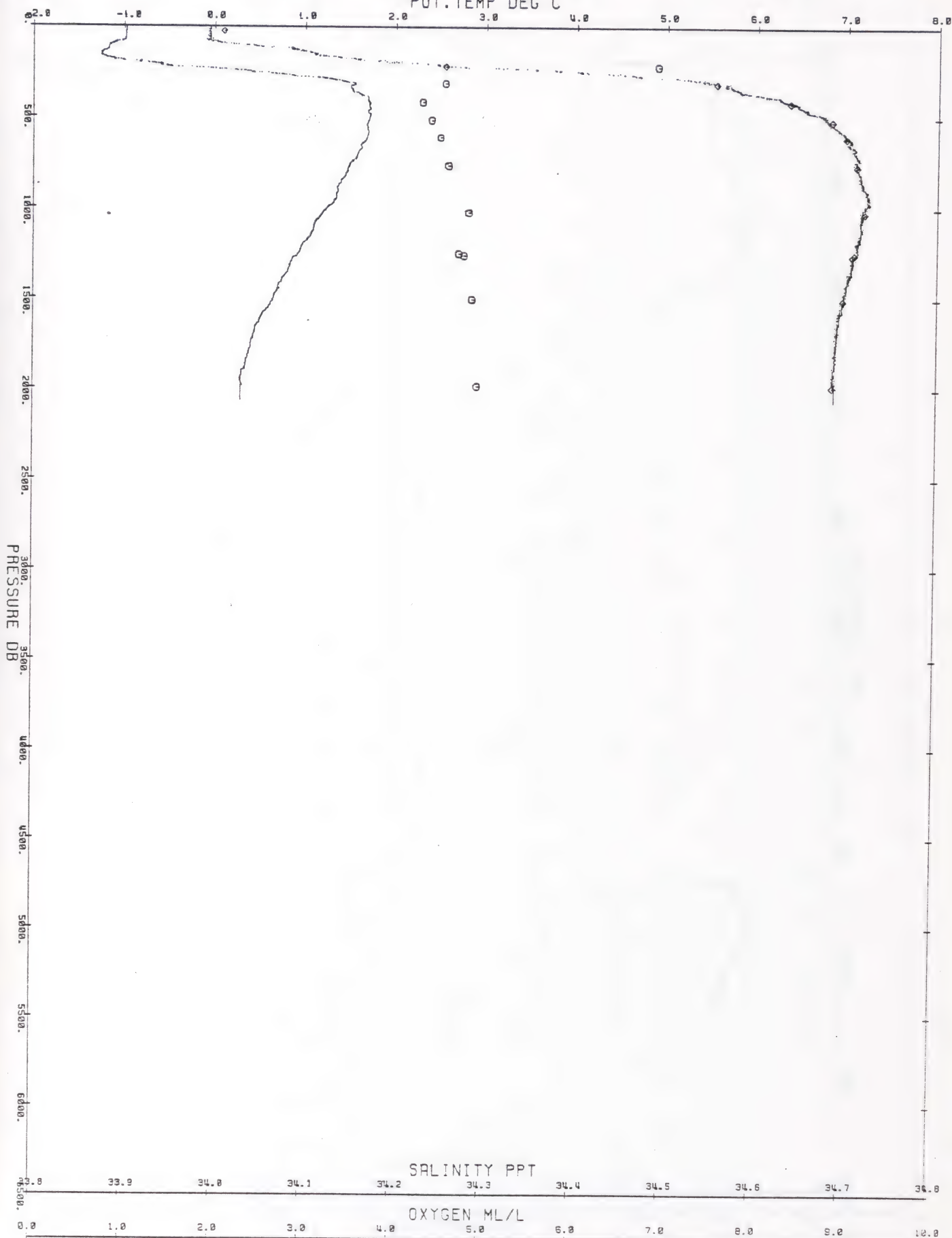
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ST 24

LAT -55.994

LONG -3.987

POT. TEMP DEG C





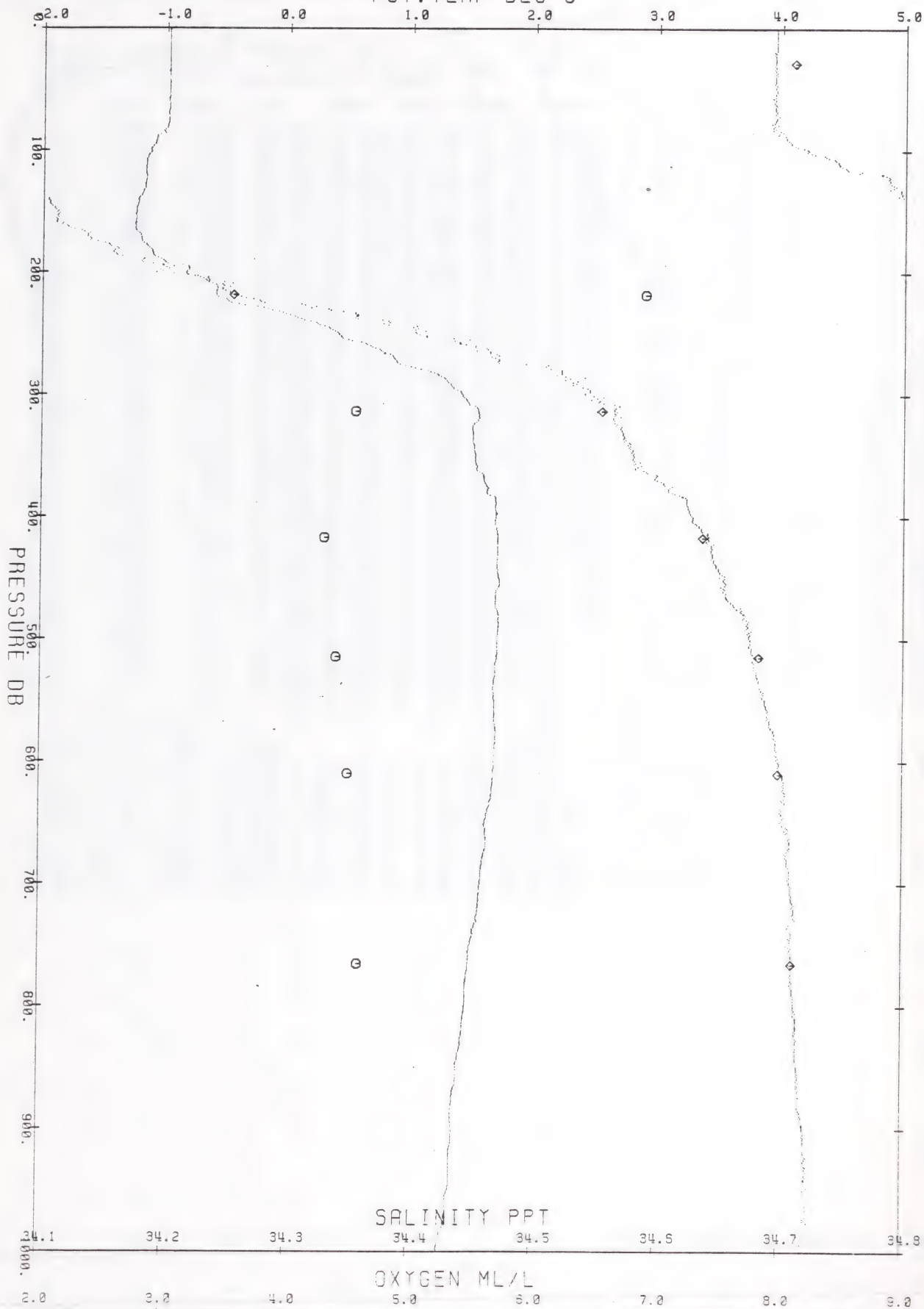
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ST 24

LAT -55.994

LONG -3.987

POT. TEMP DEG C

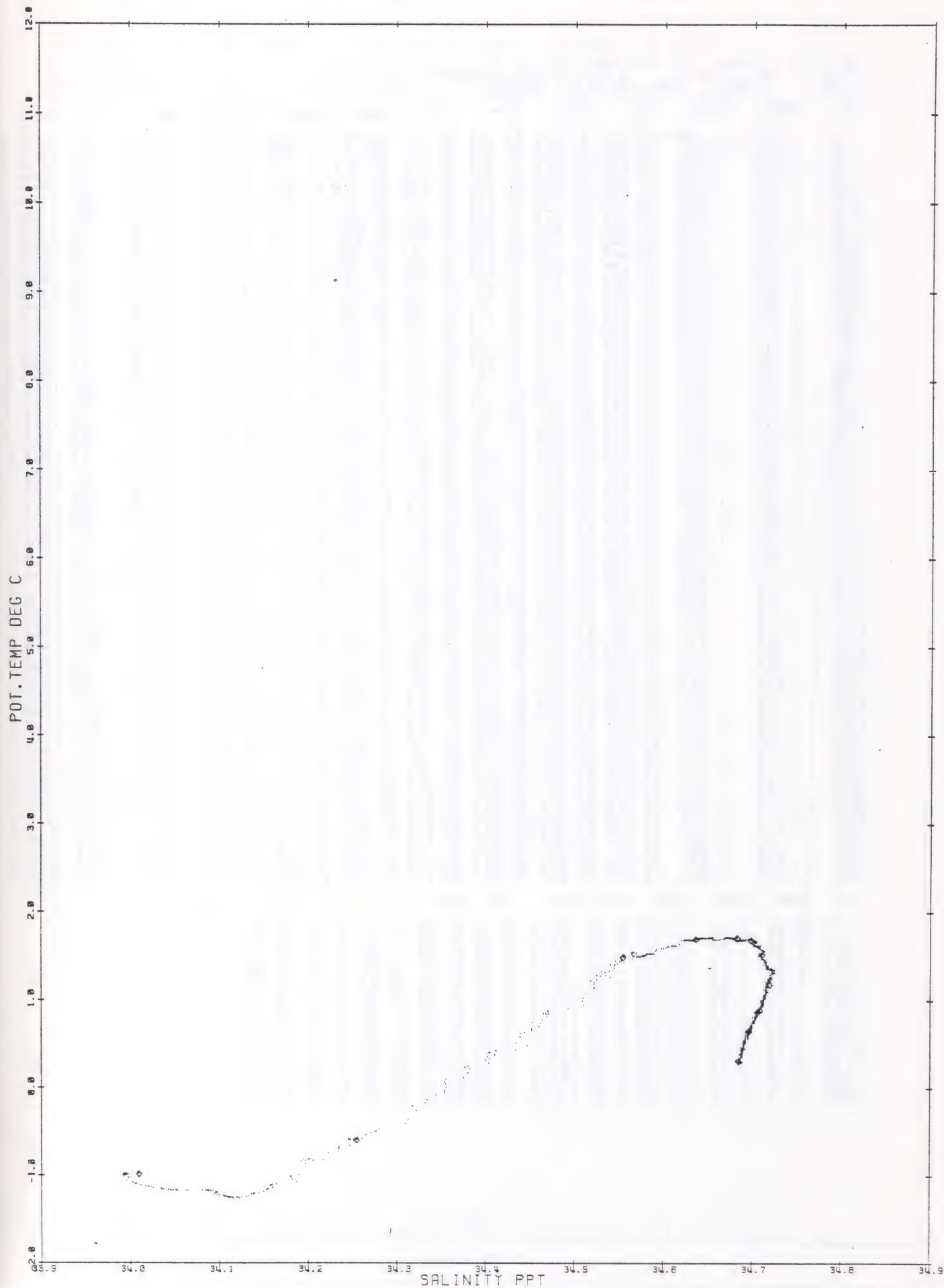


1011

ST 24

LAT -55.994

LONG -3.987





SHIP ID CRUISE 11 STATION 25  
 START = 55 46.90 S 3 50.70 W AT 1703 76/11/20  
 WIND = 9M/S COR. DEPTH = 4990M

DE	TEMP	THETA	SAL	SGM-T	SGM-O	SGM-1	SGM-2	SGM-3	SGM-4	AN	HZ	SVEL
0	693	693	34.036	27.381	27.381	3.137	36.777	41.304	45.723	70.55	.000	1444.8
20	691	691	34.029	27.375	27.375	3.131	36.771	41.298	45.717	71.03	.014	1445.1
40	683	683	34.031	27.376	27.377	3.131	36.771	41.298	45.717	70.86	.028	1445.5
60	649	650	34.042	27.384	27.399	3.139	36.777	41.303	45.721	70.07	.042	1446.0
80	688	688	34.059	27.399	27.424	3.153	36.793	41.321	45.739	68.61	.056	1446.1
100	680	680	34.084	27.424	27.444	3.167	36.825	41.355	45.777	66.16	.070	1446.0
120	618	622	34.093	27.432	27.463	3.172	36.834	41.364	45.786	63.33	.083	1446.2
140	617	622	34.131	27.463	27.483	3.172	36.864	41.394	45.816	62.32	.096	1446.6
160	667	672	34.229	27.522	27.533	3.172	36.895	41.412	45.821	56.81	.108	1449.2
180	652	652	34.343	27.588	27.588	3.153	36.927	41.426	45.820	50.90	.118	1452.2
200	652	652	34.450	27.634	27.635	3.141	36.932	41.413	45.787	46.90	.128	1455.7
220	658	658	34.509	27.654	27.655	3.149	36.928	41.397	45.760	45.27	.137	1458.0
240	6370	6370	34.546	27.677	27.677	3.136	36.944	41.410	45.770	43.27	.146	1458.8
260	649	649	34.567	27.686	27.687	3.135	36.948	41.411	45.769	42.48	.155	1459.6
280	654	654	34.591	27.700	27.701	3.136	36.957	41.417	45.772	41.33	.163	1460.4
300	640	640	34.607	27.706	27.707	3.136	36.958	41.416	45.769	40.90	.171	1461.1
320	670	670	34.628	27.718	27.719	3.136	36.963	41.422	45.773	39.96	.182	1461.8
340	670	670	34.640	27.727	27.728	3.136	36.974	41.430	45.781	39.22	.191	1462.3
360	670	670	34.650	27.735	27.736	3.136	36.982	41.438	45.788	38.56	.201	1462.7
380	670	670	34.661	27.743	27.745	3.136	36.990	41.446	45.796	37.88	.211	1463.2
400	670	670	34.668	27.749	27.751	3.136	36.996	41.452	45.803	37.42	.220	1463.6
420	670	670	34.674	27.755	27.756	3.136	36.997	41.459	45.809	36.99	.229	1464.0
440	670	670	34.683	27.762	27.764	3.136	36.997	41.466	45.817	36.40	.239	1464.4
460	670	670	34.693	27.767	27.769	3.136	36.997	41.468	45.818	36.06	.248	1465.0
480	670	670	34.708	27.781	27.784	3.136	36.997	41.483	45.834	34.87	.265	1465.7
500	670	670	34.710	27.788	27.791	3.136	36.997	41.498	45.851	34.31	.283	1466.2
520	670	670	34.718	27.794	27.796	3.136	36.997	41.503	45.854	34.04	.290	1466.7
540	670	670	34.719	27.799	27.802	3.136	36.997	41.513	45.868	33.54	.307	1467.7
560	670	670	34.723	27.806	27.809	3.136	36.997	41.523	45.878	33.05	.333	1468.4
580	670	670	34.716	27.810	27.813	3.136	36.997	41.540	45.899	32.54	.333	1468.6
600	670	670	34.718	27.814	27.817	3.136	36.997	41.547	45.907	32.28	.333	1469.3
620	670	670	34.717	27.817	27.820	3.136	36.997	41.555	45.916	32.04	.333	1469.9
640	670	670	34.719	27.822	27.825	3.136	36.997	41.565	45.928	31.55	.333	1470.4
660	670	670	34.719	27.825	27.829	3.136	36.997	41.571	45.935	31.34	.333	1471.1
680	670	670	34.714	27.830	27.834	3.136	36.997	41.590	45.957	30.69	.333	1472.2
700	670	670	34.709	27.836	27.840	3.136	36.997	41.608	45.979	29.93	.333	1473.3
720	670	670	34.705	27.839	27.843	3.136	36.997	41.620	45.994	29.55	.333	1474.5
740	670	670	34.702	27.843	27.848	3.136	36.997	41.634	46.011	29.44	.333	1475.7
760	670	670	34.699	27.845	27.850	3.136	36.997	41.644	46.023	29.39	.333	1476.9
780	670	670	34.696	27.847	27.852	3.136	36.997	41.651	46.033	29.34	.333	1477.7
800	670	670	34.691	27.848	27.853	3.136	36.997	41.659	46.045	29.27	.333	1478.9
820	670	670	34.689	27.850	27.856	3.136	36.997	41.668	46.053	29.22	.333	1479.9
840	670	670	34.687	27.851	27.857	3.136	36.997	41.675	46.062	29.19	.333	1480.2
860	670	670	34.686	27.853	27.859	3.136	36.997	41.682	46.069	29.16	.333	1480.6
880	670	670	34.683	27.854	27.860	3.136	36.997	41.687	46.077	29.13	.333	1481.1
900	670	670	34.682	27.856	27.863	3.136	36.997	41.697	46.088	29.10	.333	1481.6
920	670	670	34.681	27.857	27.864	3.136	36.997	41.701	46.093	29.08	.333	1482.2
940	670	670	34.678	27.857	27.866	3.136	36.997	41.704	46.098	29.06	.333	1482.8
960	670	670	34.678	27.858	27.866	3.136	36.997	41.709	46.103	29.03	.333	1483.3
980	670	670	34.677	27.859	27.867	3.136	36.997	41.713	46.108	29.01	.333	1483.9
1000	670	670	34.677	27.859	27.868	3.136	36.997	41.719	46.112	28.99	.333	1484.5
1020	670	670	34.677	27.859	27.868	3.136	36.997	41.716	46.113	28.97	.333	1485.1
1040	670	670	34.676	27.859	27.869	3.136	36.997	41.719	46.116	28.95	.333	1485.6
1060	670	670	34.674	27.860	27.870	3.136	36.997	41.723	46.124	28.92	.333	1486.2
1080	670	670	34.674	27.861	27.871	3.136	36.997	41.731	46.130	28.90	.333	1486.8
1100	670	670	34.670	27.860	27.871	3.136	36.997	41.735	46.136	28.87	.333	1487.4
1120	670	670	34.669	27.861	27.873	3.136	36.997	41.740	46.142	28.85	.333	1488.0
1140	670	670	34.669	27.861	27.874	3.136	36.997	41.743	46.146	28.82	.333	1488.6
1160	670	670	34.668	27.860	27.874	3.136	36.997	41.746	46.149	28.80	.333	1489.2
1180	670	670	34.668	27.860	27.874	3.136	36.997	41.748	46.151	28.78	.333	1489.8
1200	670	670	34.668	27.860	27.874	3.136	36.997	41.748	46.152	28.76	.333	1490.4
1220	670	670	34.668	27.860	27.874	3.136	36.997	41.748	46.152	28.74	.333	1491.0
1240	670	670	34.668	27.860	27.874	3.136	36.997	41.748	46.152	28.72	.333	1491.6
1260	670	670	34.668	27.860	27.874	3.136	36.997	41.748	46.152	28.70	.333	1492.2
1280	670	670	34.668	27.860	27.874	3.136	36.997	41.748	46.152	28.68	.333	1492.8
1300	670	670	34.668	27.860	27.874	3.136	36.997	41.748	46.152	28.66	.333	1493.4
1320	670	670	34.668	27.860	27.874	3.136	36.997	41.748	46.152	28.64	.333	1494.0
1340	670	670	34.668	27.860	27.874	3.136	36.997	41.748	46.152	28.62	.333	1494.6
1360	670	670	34.668	27.860	27.874	3.136	36.997	41.748	46.152	28.60	.333	1495.2
1380	670	670	34.668	27.860	27.874	3.136	36.997	41.748	46.152	28.58	.333	1495.8
1400	670	670	34.668	27.860	27.874	3.136	36.997	41.748	46.152	28.56	.333	1496.4
1420	670	670	34.668	27.860	27.874	3.136	36.997	41.748	46.152	28.54	.333	1497.0
1440	670	670	34.668	27.860	27.874	3.136	36.997	41.748	46.152	28.52	.333	1497.6
1460	670	670	34.668	27.860	27.874	3.136	36.997	41.748	46.152	28.50	.333	1498.2
1480	670	670	34.668	27.860	27.874	3.136	36.997	41.748	46.152	28.48	.333	1498.8
1500	670	670	34.668	27.860	27.874	3.136	36.997	41.748	46.152	28.46	.333	1499.4
1520	670	670	34.668	27.860	27.874	3.136	36.997	41.748	46.152	28.44	.333	1500.0
1540	670	670	34.668	27.860	27.874	3.136	36.997	41.748	46.152	28.42	.333	1500.6
1560	670	670	34.668	27.860	27.874	3.136	36.997	41.748	46.152	28.40	.333	1501.2
1580	670	670	34.668	27.860	27.874	3.136	36.997	41.748	46.152	28.38	.333	1501.8
1600	670	670	34.668	27.860	27.874	3.136	36.997	41.748	46.152	28.36	.333	1502.4
1620	670	670	34.668	27.860	27.874	3.136	36.997	41.748	46.152	28.34	.333	1503.0
1640	670	670	34.668	27.860	27.874	3.136	36.997	41.748	46.152	28.32	.333	1503.6
1660	670	670	34.668	27.860	27.874	3.136	36.997	41.748	46.152	28.30	.333	1504.2
1680	670	670	34.668	27.860	27.874	3.136	36.997	41.748	46.152	28.28	.333	1504.8
1700	670	670	34.668	27.860	27.874	3.136	36.997	41.748	46.152	28.26	.333	1505.4
1720	670	670	34.668	27.860	27.874	3.136	36.997	41.748	46.152	28.24	.333	1506.0
1740	670	670	34.668	27.860	27.874	3.136	36.997	41.748	46.152	28.22	.333	1506.6
1760	670	670	34.668	27.860	27.874	3.136	36.997	41.748	46.152	28.20	.333	1507.2
1780	670	670	34.668	27.860	27.874	3.136	36.997	41.748	46.152	28.18	.333	1507.8
1800	670	670	34.668	27.860								

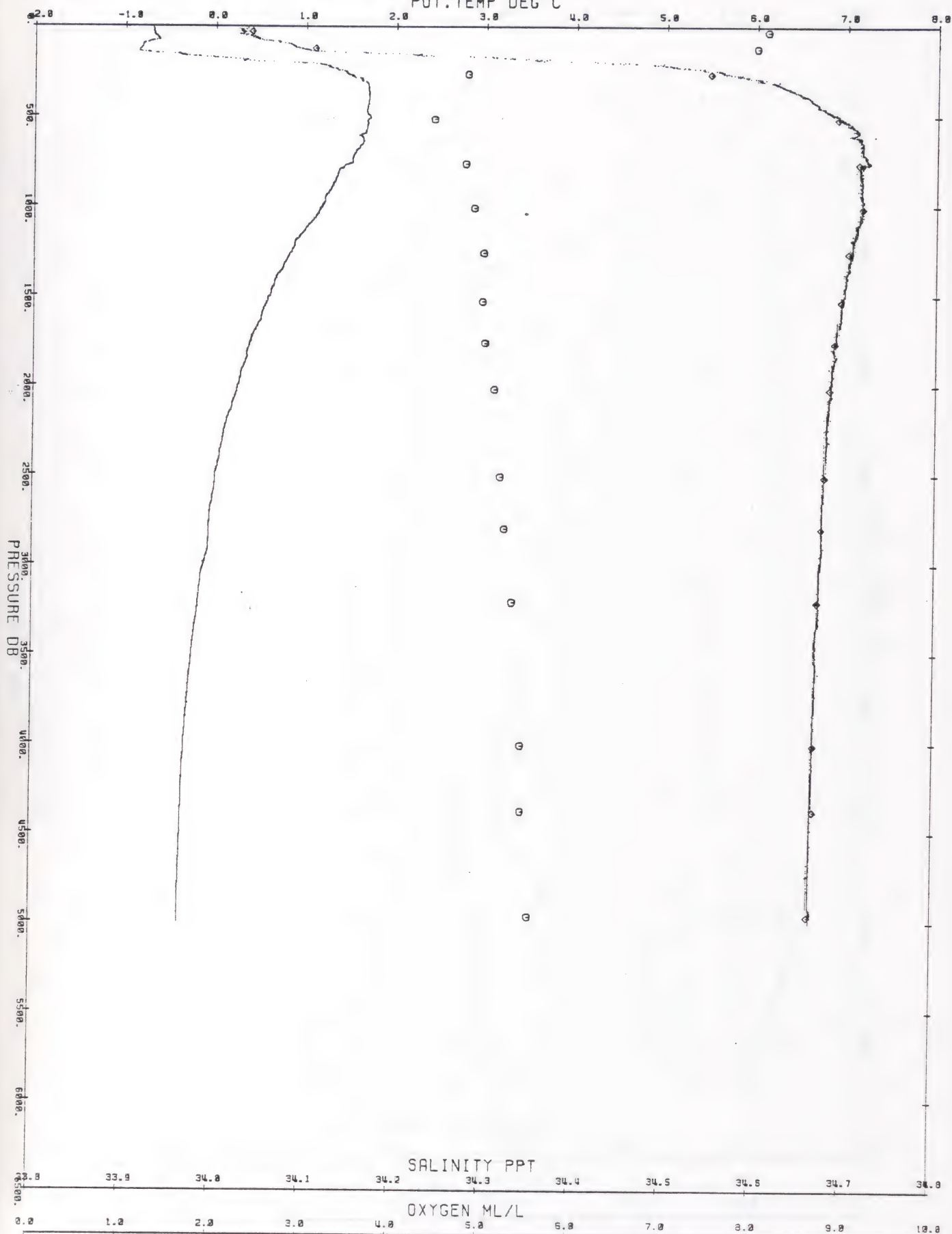
1011

ST 25

LAT -55.469

LONG -3.507

POT. TEMP DEG C





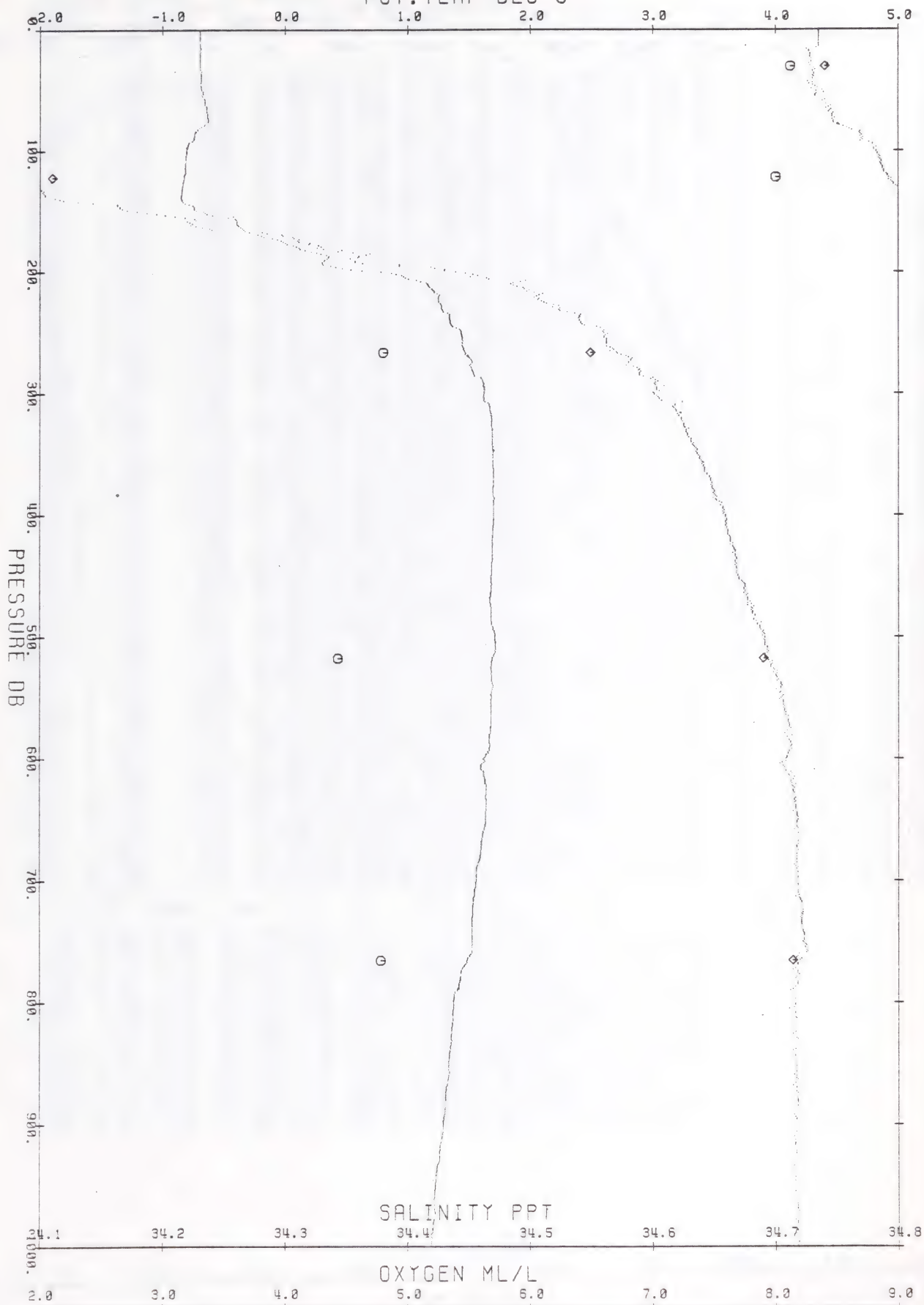
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ST 25

LAT -55.469

LONG -3.507

POT. TEMP DEG C

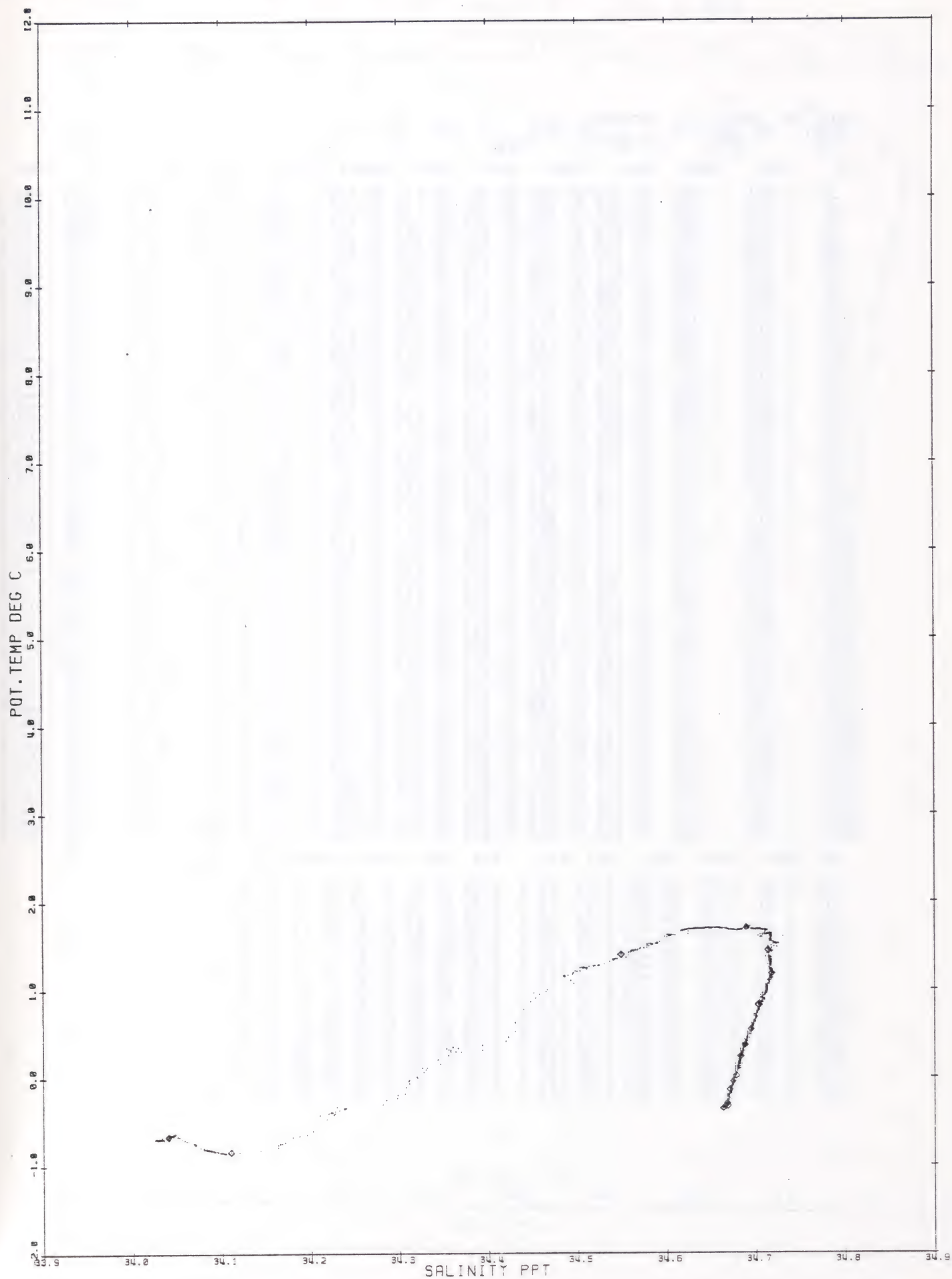


I011

ST 25

LAT -55.469

LONG -3.507





SHIP ID CRUISE 11 STATION 15  
 START = 56 21.40 S 28 8.50 W AT 1858 76/11/12  
 WIND = 9M/S COR. DEPTH = 2454M

DE	TEMP	THETA	SAL	SGM-T	SGM-O	SGM-1	SGM-2	SGM-3	SGM-4	AN	HZ	SVEL
0	-1.210	-1.210	34.100	27.452	27.452	32.223	36.878	41.419	45.852	63.85	.000	1442.4
20	-1.207	-1.207	34.093	27.445	27.445	32.217	36.871	41.413	45.846	63.85	.013	1442.8
400	-1.207	-1.207	34.103	27.454	27.454	32.223	36.880	41.423	45.855	63.85	.026	1443.0
600	-1.243	-1.245	34.102	27.454	27.454	32.223	36.882	41.423	45.855	63.85	.038	1443.3
800	-1.274	-1.276	34.103	27.456	27.456	32.223	36.885	41.429	45.864	63.85	.051	1443.6
1000	-1.319	-1.321	34.103	27.459	27.459	32.223	36.891	41.436	45.872	63.85	.064	1443.9
1200	-1.355	-1.358	34.143	27.498	27.498	32.223	36.946	41.498	45.942	63.85	.076	1444.2
1400	-1.371	-1.374	34.190	27.538	27.538	32.223	36.991	41.545	45.991	63.85	.087	1444.5
1600	-1.443	-1.447	34.323	27.575	27.575	32.223	36.991	41.545	45.991	63.85	.098	1444.8
1800	-1.483	-1.487	34.323	27.575	27.575	32.223	36.991	41.545	45.991	63.85	.107	1445.1
2000	-1.533	-1.537	34.448	27.700	27.700	32.223	36.991	41.545	45.991	63.85	.116	1445.4
2200	-1.571	-1.575	34.530	27.749	27.749	32.223	36.991	41.545	45.991	63.85	.124	1445.7
2400	-1.606	-1.610	34.593	27.768	27.768	32.223	36.991	41.545	45.991	63.85	.131	1446.0
2600	-1.646	-1.650	34.617	27.789	27.789	32.223	36.991	41.545	45.991	63.85	.138	1446.3
2800	-1.671	-1.675	34.617	27.789	27.789	32.223	36.991	41.545	45.991	63.85	.144	1446.6
3000	-1.700	-1.704	34.617	27.789	27.789	32.223	36.991	41.545	45.991	63.85	.151	1446.9
3200	-1.730	-1.734	34.617	27.789	27.789	32.223	36.991	41.545	45.991	63.85	.159	1447.2
3400	-1.760	-1.764	34.617	27.789	27.789	32.223	36.991	41.545	45.991	63.85	.167	1447.5
3600	-1.790	-1.794	34.617	27.789	27.789	32.223	36.991	41.545	45.991	63.85	.175	1447.8
3800	-1.820	-1.824	34.617	27.789	27.789	32.223	36.991	41.545	45.991	63.85	.182	1448.1
4000	-1.850	-1.854	34.617	27.789	27.789	32.223	36.991	41.545	45.991	63.85	.190	1448.4
4200	-1.880	-1.884	34.617	27.789	27.789	32.223	36.991	41.545	45.991	63.85	.197	1448.7
4400	-1.910	-1.914	34.617	27.789	27.789	32.223	36.991	41.545	45.991	63.85	.205	1449.0
4600	-1.940	-1.944	34.617	27.789	27.789	32.223	36.991	41.545	45.991	63.85	.212	1449.3
4800	-1.970	-1.974	34.617	27.789	27.789	32.223	36.991	41.545	45.991	63.85	.220	1449.6
5000	-2.000	-2.004	34.617	27.789	27.789	32.223	36.991	41.545	45.991	63.85	.228	1449.9
5200	-2.030	-2.034	34.617	27.789	27.789	32.223	36.991	41.545	45.991	63.85	.235	1450.2
5400	-2.060	-2.064	34.617	27.789	27.789	32.223	36.991	41.545	45.991	63.85	.243	1450.5
5600	-2.090	-2.094	34.617	27.789	27.789	32.223	36.991	41.545	45.991	63.85	.250	1450.8
5800	-2.120	-2.124	34.617	27.789	27.789	32.223	36.991	41.545	45.991	63.85	.258	1451.1
6000	-2.150	-2.154	34.617	27.789	27.789	32.223	36.991	41.545	45.991	63.85	.265	1451.4
6200	-2.180	-2.184	34.617	27.789	27.789	32.223	36.991	41.545	45.991	63.85	.273	1451.7
6400	-2.210	-2.214	34.617	27.789	27.789	32.223	36.991	41.545	45.991	63.85	.280	1452.0
6600	-2.240	-2.244	34.617	27.789	27.789	32.223	36.991	41.545	45.991	63.85	.288	1452.3
6800	-2.270	-2.274	34.617	27.789	27.789	32.223	36.991	41.545	45.991	63.85	.295	1452.6
7000	-2.300	-2.304	34.617	27.789	27.789	32.223	36.991	41.545	45.991	63.85	.303	1452.9
7200	-2.330	-2.334	34.617	27.789	27.789	32.223	36.991	41.545	45.991	63.85	.310	1453.2
7400	-2.360	-2.364	34.617	27.789	27.789	32.223	36.991	41.545	45.991	63.85	.318	1453.5
7600	-2.390	-2.394	34.617	27.789	27.789	32.223	36.991	41.545	45.991	63.85	.325	1453.8
7800	-2.420	-2.424	34.617	27.789	27.789	32.223	36.991	41.545	45.991	63.85	.333	1454.1
8000	-2.450	-2.454	34.617	27.789	27.789	32.223	36.991	41.545	45.991	63.85	.340	1454.4
8200	-2.480	-2.484	34.617	27.789	27.789	32.223	36.991	41.545	45.991	63.85	.348	1454.7
8400	-2.510	-2.514	34.617	27.789	27.789	32.223	36.991	41.545	45.991	63.85	.355	1455.0
8600	-2.540	-2.544	34.617	27.789	27.789	32.223	36.991	41.545	45.991	63.85	.363	1455.3
8800	-2.570	-2.574	34.617	27.789	27.789	32.223	36.991	41.545	45.991	63.85	.370	1455.6
9000	-2.600	-2.604	34.617	27.789	27.789	32.223	36.991	41.545	45.991	63.85	.378	1455.9
9200	-2.630	-2.634	34.617	27.789	27.789	32.223	36.991	41.545	45.991	63.85	.385	1456.2
9400	-2.660	-2.664	34.617	27.789	27.789	32.223	36.991	41.545	45.991	63.85	.393	1456.5
9600	-2.690	-2.694	34.617	27.789	27.789	32.223	36.991	41.545	45.991	63.85	.400	1456.8
9800	-2.720	-2.724	34.617	27.789	27.789	32.223	36.991	41.545	45.991	63.85	.408	1457.1
10000	-2.750	-2.754	34.617	27.789	27.789	32.223	36.991	41.545	45.991	63.85	.415	1457.4

DE	TEMP	THETA	SAL	OXY	SIL	PO4	SGM-T	SGM-O	SGM-2	SGM-4	FLAG
0	-1.210	-1.210	34.100	8.11	72.00	1.13	27.452	27.452	36.878	45.852	A
20	-1.207	-1.207	34.093	8.11	72.00	1.13	27.445	27.445	36.871	45.846	
400	-1.207	-1.207	34.103	8.11	72.00	1.13	27.454	27.454	36.880	45.855	
600	-1.243	-1.245	34.102	8.11	72.00	1.13	27.454	27.454	36.882	45.855	
800	-1.274	-1.276	34.103	8.11	72.00	1.13	27.456	27.456	36.885	45.864	
1000	-1.319	-1.321	34.103	8.11	72.00	1.13	27.459	27.459	36.891	45.872	
1200	-1.355	-1.358	34.143	8.11	72.00	1.13	27.498	27.498	36.946	45.942	
1400	-1.371	-1.374	34.190	8.11	72.00	1.13	27.538	27.538	36.991	45.991	
1600	-1.443	-1.447	34.323	8.11	72.00	1.13	27.575	27.575	36.991	45.991	
1800	-1.483	-1.487	34.323	8.11	72.00	1.13	27.575	27.575	36.991	45.991	
2000	-1.533	-1.537	34.448	8.11	72.00	1.13	27.700	27.700	36.991	45.991	
2200	-1.571	-1.575	34.530	8.11	72.00	1.13	27.749	27.749	36.991	45.991	
2400	-1.606	-1.610	34.593	8.11	72.00	1.13	27.768	27.768	36.991	45.991	
2600	-1.646	-1.650	34.617	8.11	72.00	1.13	27.789	27.789	36.991	45.991	
2800	-1.671	-1.675	34.617	8.11	72.00	1.13	27.789	27.789	36.991	45.991	
3000	-1.700	-1.704	34.617	8.11	72.00	1.13	27.789	27.789	36.991	45.991	
3200	-1.730	-1.734	34.617	8.11	72.00	1.13	27.789	27.789	36.991	45.991	
3400	-1.760	-1.764	34.617	8.11	72.00	1.13	27.789	27.789	36.991	45.991	
3600	-1.790	-1.794	34.617	8.11	72.00	1.13	27.789	27.789	36.991	45.991	
3800	-1.820	-1.824	34.617	8.11	72.00	1.13	27.789	27.789	36.991	45.991	
4000	-1.850	-1.854	34.617	8.11	72.00	1.13	27.789	27.789	36.991	45.991	
4200	-1.880	-1.884	34.617	8.11	72.00	1.13	27.789	27.789	36.991	45.991	
4400	-1.910	-1.914	34.617	8.11	72.00	1.13	27.789	27.789	36.991	45.991	
4600	-1.940	-1.944	34.617	8.11	72.00	1.13	27.789	27.789	36.991	45.991	
4800	-1.970	-1.974	34.617	8.11	72.00	1.13	27.789	27.789	36.991	45.991	
5000	-2.000	-2.004	34.617	8.11	72.00	1.13	27.789	27.789	36.991	45.991	
5200	-2.030	-2.034	34.617	8.11	72.00	1.13	27.789	27.789	36.991	45.991	
5400	-2.060	-2.064	34.617	8.11	72.00	1.13	27.789	27.789	36.991	45.991	
5600	-2.090	-2.094	34.617	8.11	72.00	1.13	27.789	27.789	36.991	45.991	
5800	-2.120	-2.124	34.617	8.11	72.00	1.13	27.789	27.789	36.991	45.991	
6000	-2.150	-2.154	34.617	8.11	72.00	1.13	27.789	27.789	36.991	45.991	
6200	-2.180	-2.184	34.617	8.11	72.00	1.13	27.789	27.789	36.991	45.991	
6400	-2.210	-2.214	34.617	8.11	72.00	1.13	27.789	27.789	36.991	45.991	
6600	-2.240	-2.244	34.617	8.11	72.00	1.13	27.789	27.789	36.991	45.991	
6800	-2.270	-2.274	34.617	8.11	72.00	1.13	27.789	27.789	36.991	45.991	
7000	-2.300	-2.304	34.617	8.11	72.00	1.13	27.789	27.789	36.991	45.991	
7200	-2.330	-2.334	34.617	8.11	72.00	1.13	27.789	27.789	36.991	45.991	
7400	-2.360	-2.364	34.617	8.11	72.00	1.13	27.789	27.789	36.991	45.991	
7600	-2.390	-2.394	34.617	8.11	72.00	1.13	27.789	27.789	36.991	45.991	
7800	-2.420	-2.424	34.617	8.11	72.00	1.13	27.789	27.789	36.991	45.991	
8000	-2.450	-2.454	34.617	8.1							

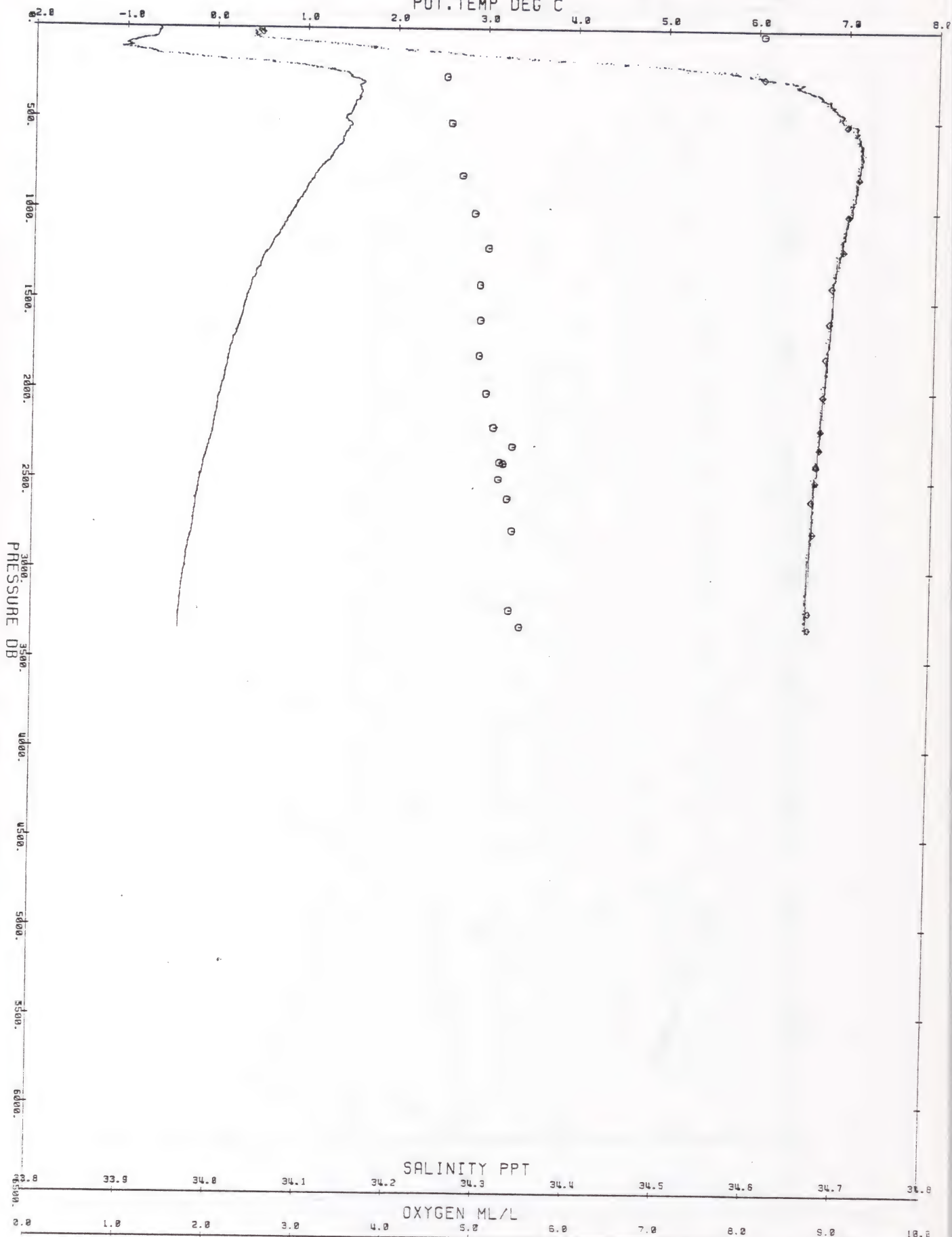
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ST 26

LAT -54.419

LONG 0.000

POT. TEMP DEG C





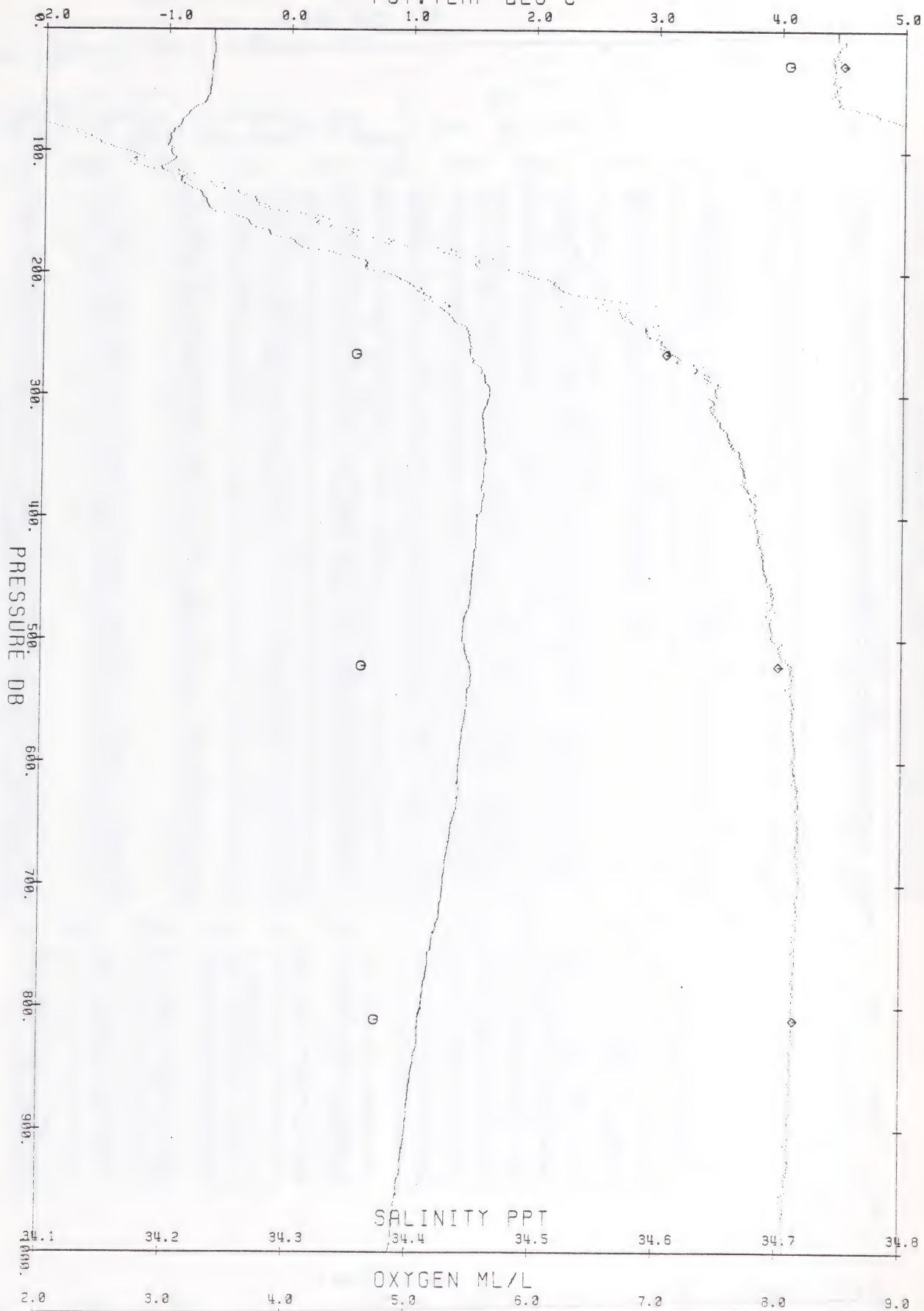
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ST 26

LAT -54.419

LONG 0.000

POT. TEMP DEG C

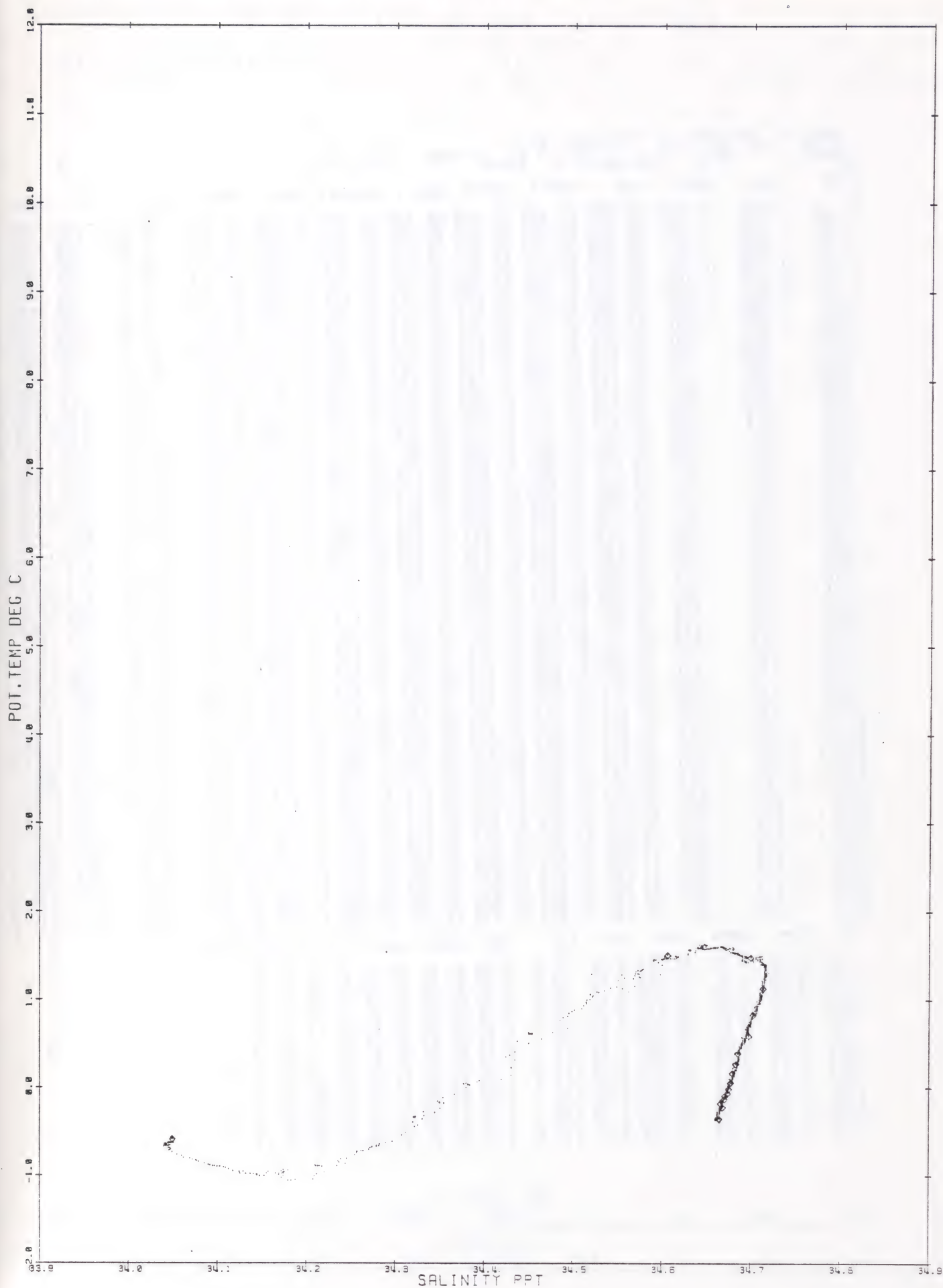


1011

ST 26

LAT -54.419

LONG 0.000





SHIP ID CRUISE 11 STATION 27  
START 56 25.60 S 1 57.90 E AT 2120 76/11/22  
WIND = 9M/S COR. DEPTH = 4154M

DE	TEMP	THETA	SAL	SGM-T	SGM-O	SGM-1	SGM-2	SGM-3	SGM-4	AN	HZ	SVEL
0	709	709	34	27	27	36	36	41	45	49	.000	1445
1	707	708	44	27	27	36	36	41	45	49	.010	1445
2	700	701	54	27	27	36	36	41	45	49	.020	1445
3	9857	9859	64	27	27	36	36	41	45	49	.030	1445
4	941	941	74	27	27	36	36	41	45	49	.040	1445
5	051	051	84	27	27	36	36	41	45	49	.050	1445
6	103	103	94	27	27	36	36	41	45	49	.060	1445
7	021	021	04	27	27	36	36	41	45	49	.070	1445
8	021	021	14	27	27	36	36	41	45	49	.080	1445
9	111	111	24	27	27	36	36	41	45	49	.090	1445
0	406	406	34	27	27	36	36	41	45	49	.100	1445
1	406	406	44	27	27	36	36	41	45	49	.110	1445
2	406	406	54	27	27	36	36	41	45	49	.120	1445
3	406	406	64	27	27	36	36	41	45	49	.130	1445
4	406	406	74	27	27	36	36	41	45	49	.140	1445
5	406	406	84	27	27	36	36	41	45	49	.150	1445
6	406	406	94	27	27	36	36	41	45	49	.160	1445
7	406	406	04	27	27	36	36	41	45	49	.170	1445
8	406	406	14	27	27	36	36	41	45	49	.180	1445
9	406	406	24	27	27	36	36	41	45	49	.190	1445
0	406	406	34	27	27	36	36	41	45	49	.200	1445
1	406	406	44	27	27	36	36	41	45	49	.210	1445
2	406	406	54	27	27	36	36	41	45	49	.220	1445
3	406	406	64	27	27	36	36	41	45	49	.230	1445
4	406	406	74	27	27	36	36	41	45	49	.240	1445
5	406	406	84	27	27	36	36	41	45	49	.250	1445
6	406	406	94	27	27	36	36	41	45	49	.260	1445
7	406	406	04	27	27	36	36	41	45	49	.270	1445
8	406	406	14	27	27	36	36	41	45	49	.280	1445
9	406	406	24	27	27	36	36	41	45	49	.290	1445
0	406	406	34	27	27	36	36	41	45	49	.300	1445
1	406	406	44	27	27	36	36	41	45	49	.310	1445
2	406	406	54	27	27	36	36	41	45	49	.320	1445
3	406	406	64	27	27	36	36	41	45	49	.330	1445
4	406	406	74	27	27	36	36	41	45	49	.340	1445
5	406	406	84	27	27	36	36	41	45	49	.350	1445
6	406	406	94	27	27	36	36	41	45	49	.360	1445
7	406	406	04	27	27	36	36	41	45	49	.370	1445
8	406	406	14	27	27	36	36	41	45	49	.380	1445
9	406	406	24	27	27	36	36	41	45	49		

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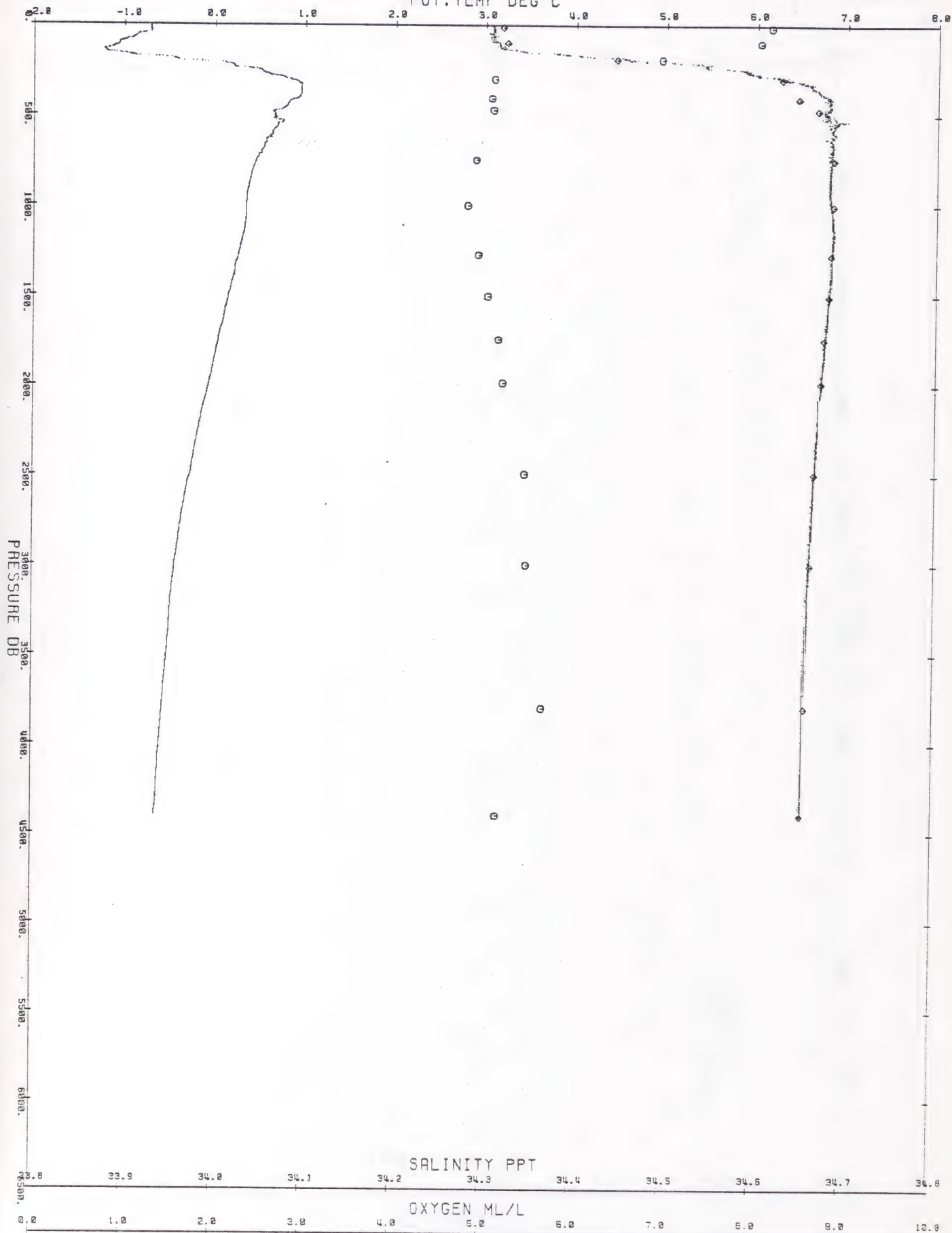
1011

ST 27

LAT -56.256

LONG 1.579

POT. TEMP DEG C



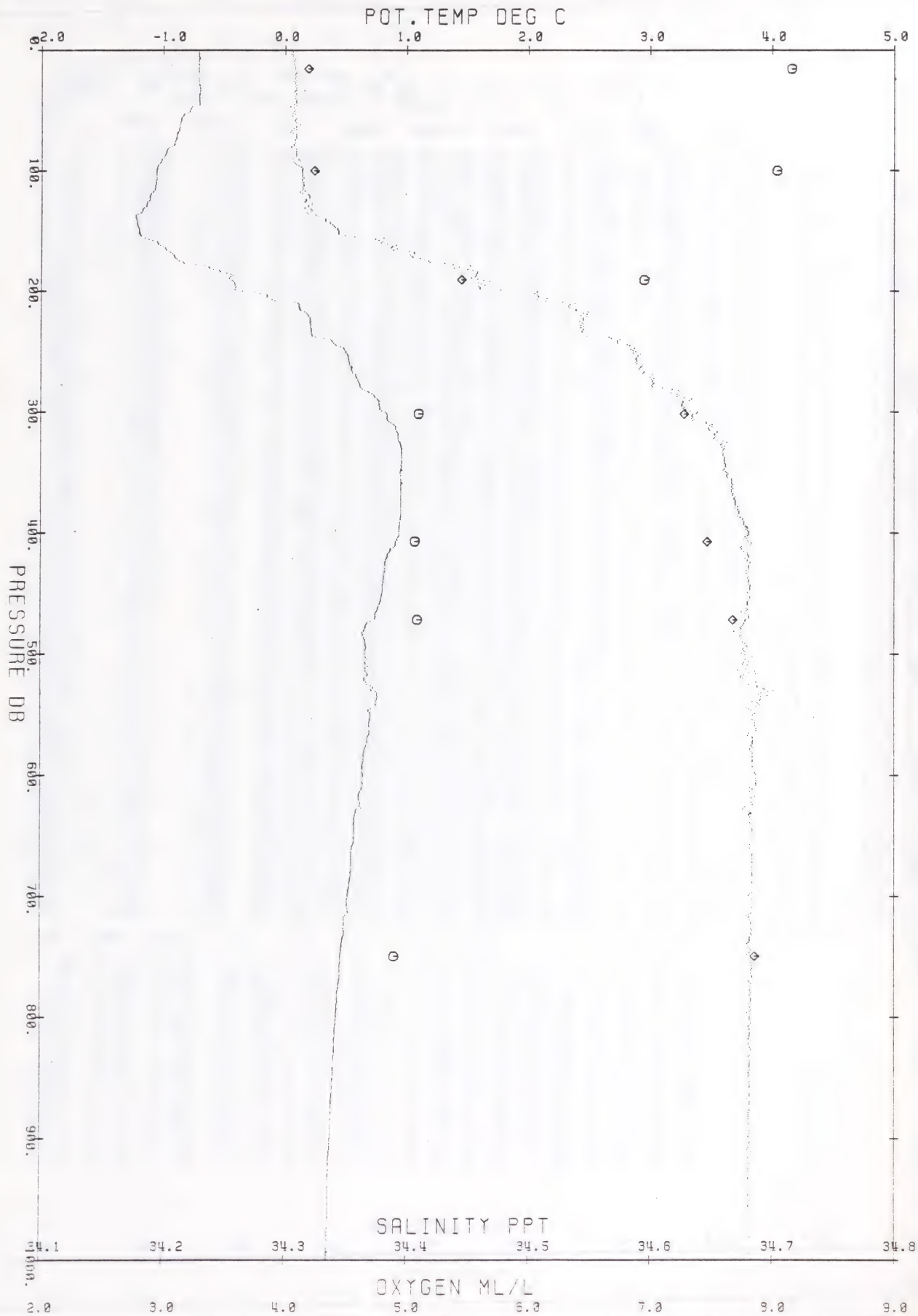


1011

ST 27

LAT -56.256

LONG 1.579

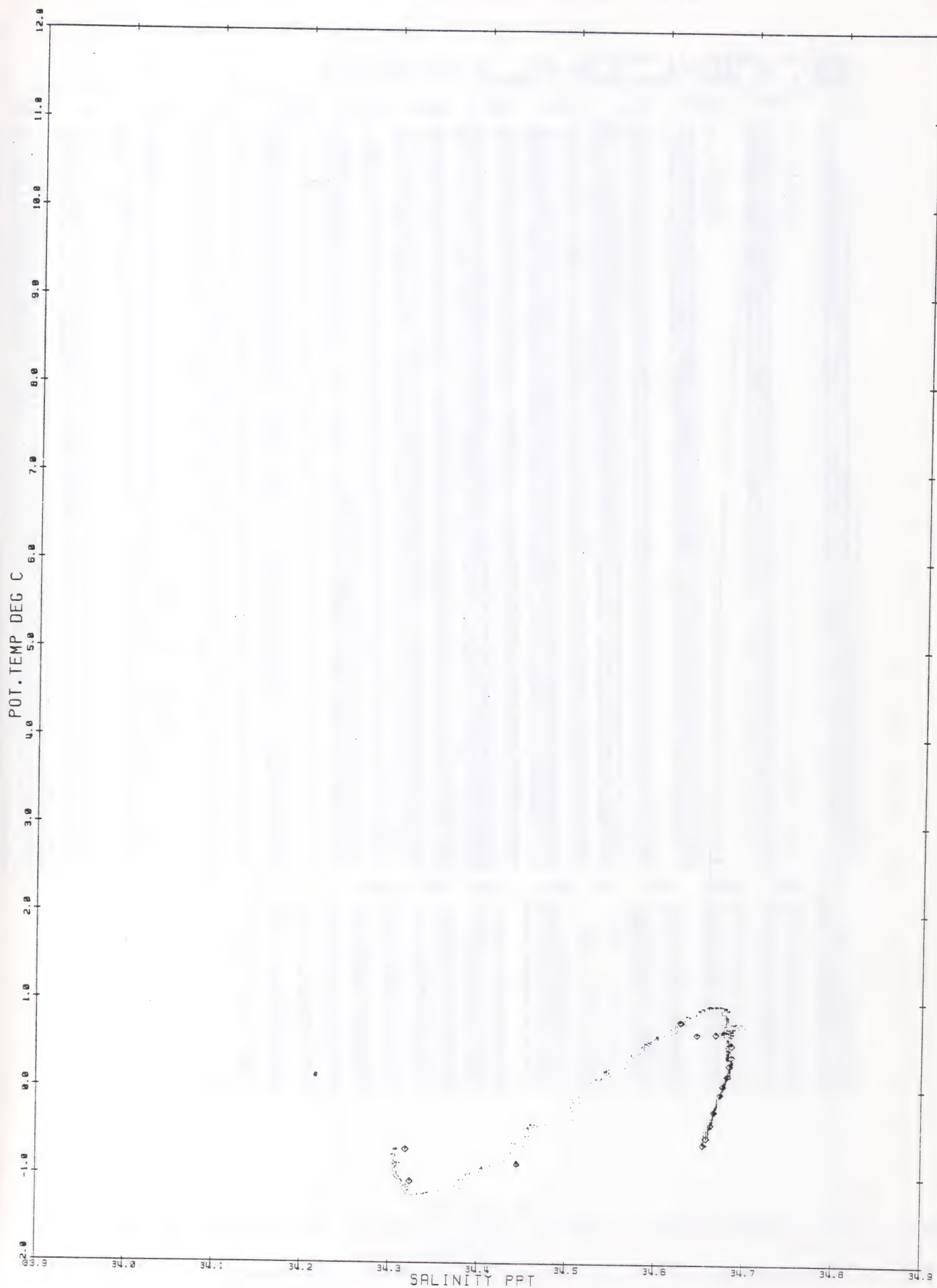


I011

ST 27

LAT -56.256

LONG 1.579





DE	TEMP	THETA	SAL	SGM-T	SGM-O	SGM-1	SGM-2	SGM-3	SGM-4	AN	HZ	SVEL								
0	767	767	33	869	77	248	27	248	36	651	41	182	45	605	83	12	000	1444	2	4
1	767	767	33	869	77	248	27	248	36	651	41	182	45	605	83	12	000	1444	2	4
2	767	767	33	869	77	248	27	248	36	651	41	182	45	605	83	12	000	1444	2	4
3	767	767	33	869	77	248	27	248	36	651	41	182	45	605	83	12	000	1444	2	4
4	767	767	33	869	77	248	27	248	36	651	41	182	45	605	83	12	000	1444	2	4
5	767	767	33	869	77	248	27	248	36	651	41	182	45	605	83	12	000	1444	2	4
6	767	767	33	869	77	248	27	248	36	651	41	182	45	605	83	12	000	1444	2	4
7	767	767	33	869	77	248	27	248	36	651	41	182	45	605	83	12	000	1444	2	4
8	767	767	33	869	77	248	27	248	36	651	41	182	45	605	83	12	000	1444	2	4
9	767	767	33	869	77	248	27	248	36	651	41	182	45	605	83	12	000	1444	2	4
10	767	767	33	869	77	248	27	248	36	651	41	182	45	605	83	12	000	1444	2	4
11	767	767	33	869	77	248	27	248	36	651	41	182	45	605	83	12	000	1444	2	4
12	767	767	33	869	77	248	27	248	36	651	41	182	45	605	83	12	000	1444	2	4
13	767	767	33	869	77	248	27	248	36	651	41	182	45	605	83	12	000	1444	2	4
14	767	767	33	869	77	248	27	248	36	651	41	182	45	605	83	12	000	1444	2	4
15	767	767	33	869	77	248	27	248	36	651	41	182	45	605	83	12	000	1444	2	4
16	767	767	33	869	77	248	27	248	36	651	41	182	45	605	83	12	000	1444	2	4
17	767	767	33	869	77	248	27	248	36	651	41	182	45	605	83	12	000	1444	2	4
18	767	767	33	869	77	248	27	248	36	651	41	182	45	605	83	12	000	1444	2	4
19	767	767	33	869	77	248	27	248	36	651	41	182	45	605	83	12	000	1444	2	4
20	767	767	33	869	77	248	27	248	36	651	41	182	45	605	83	12	000	1444	2	4
21	767	767	33	869	77	248	27	248	36	651	41	182	45	605	83	12	000	1444	2	4
22	767	767	33	869	77	248	27	248	36	651	41	182	45	605	83	12	000	1444	2	4
23	767	767	33	869	77	248	27	248	36	651	41	182	45	605	83	12	000	1444	2	4
24	767	767	33	869	77	248	27	248	36	651	41	182	45	605	83	1				

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POT. TEMP DEG C

SALINITY PPT

OXYGEN ML/L

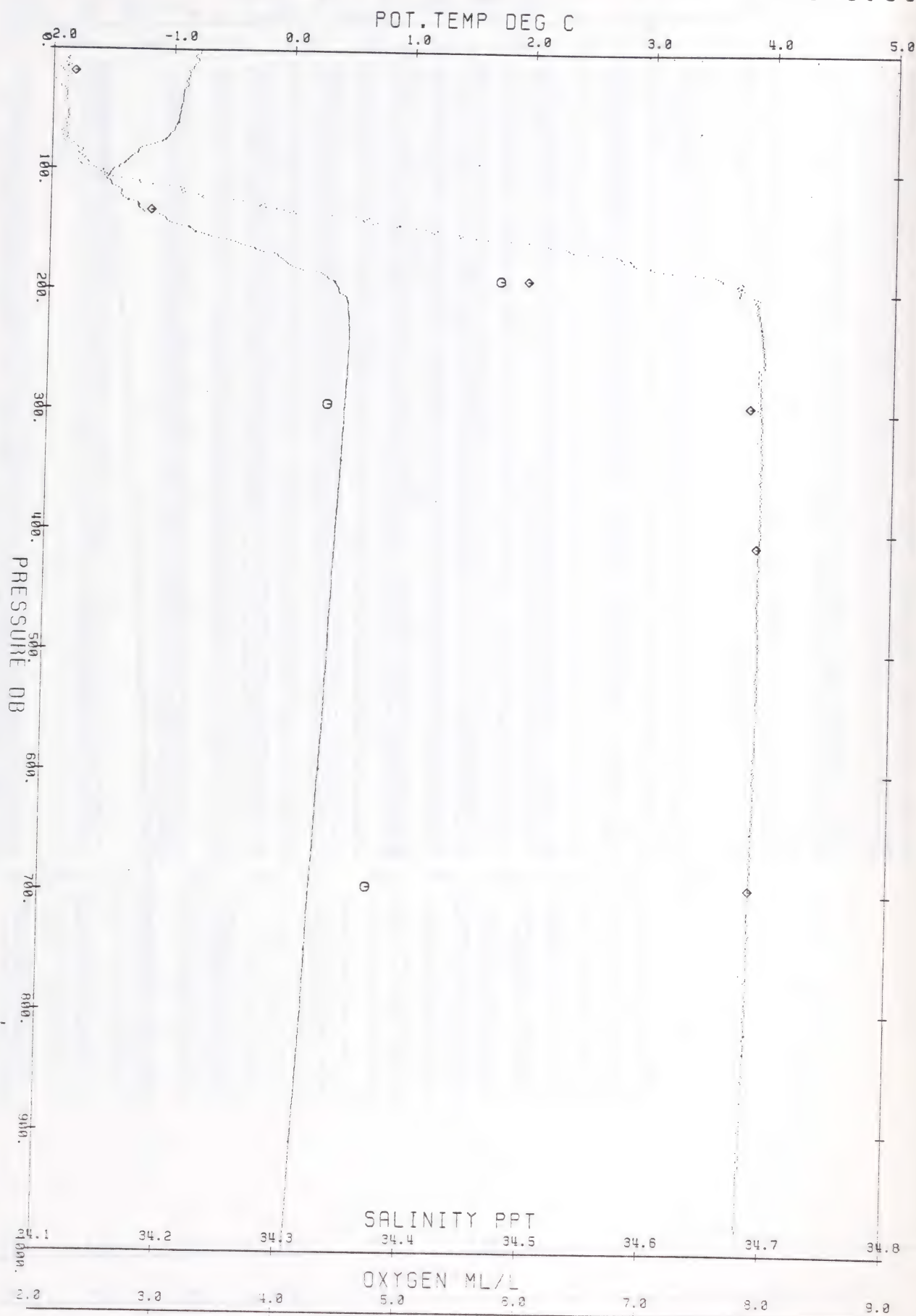


1011

ST 28

LAT -57.533

LONG 8.589

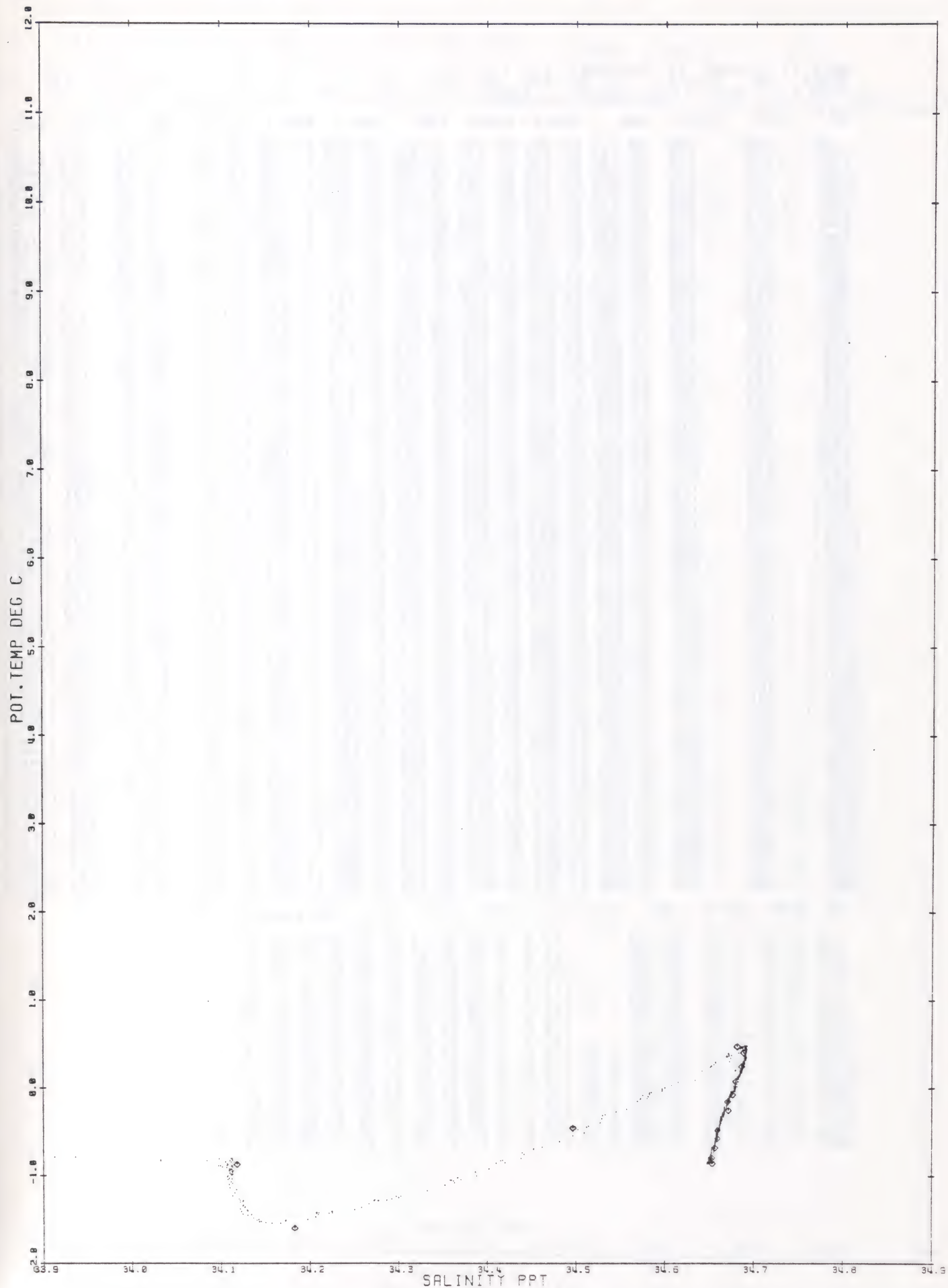


I011

ST 28

LAT -57.533

LONG 8.589





DE	TEMP	THETA	SAL	SGM-T	SGM-0	SGM-1	SGM-2	SGM-3	SGM-4	AN	HZ	SVEL								
15	083	082	33	707	27	081	27	081	31	816	36	435	40	943	45	344	99	01	000	1448
20	448	449	34	168	27	477	27	477	32	223	36	855	41	375	45	786	61	39	016	1446
40	542	544	34	181	27	492	27	492	32	242	36	876	41	398	45	811	59	95	028	1446
60	555	197	34	201	27	533	27	533	33	303	36	956	41	496	45	928	59	90	040	1443
80	334	336	34	322	27	559	27	559	33	330	36	984	41	525	45	958	53	35	051	1443
100	554	357	34	397	27	613	27	616	33	390	37	047	41	591	46	027	47	87	061	1443
120	410	413	34	360	27	668	27	668	33	444	37	102	41	647	46	084	42	75	070	1443
140	868	873	34	487	27	752	27	752	33	510	37	151	41	679	46	100	34	97	078	1446
160	920	926	34	530	27	789	27	789	33	536	37	166	41	684	46	094	31	59	084	1448
180	176	182	34	607	27	819	27	819	33	554	37	174	41	682	46	082	28	92	090	1451
200	176	168	34	631	27	836	27	837	33	561	37	170	41	667	46	058	27	45	096	1452
220	249	240	34	665	27	843	27	844	33	566	37	173	41	668	46	057	26	85	101	1453
40	372	362	34	679	27	848	27	848	33	567	37	170	41	662	46	047	26	50	107	1454
60	416	406	34	684	27	849	27	849	33	567	37	169	41	659	46	043	26	44	112	1455
80	439	427	34	686	27	849	27	849	33	567	37	168	41	658	46	041	26	42	117	1455
100	438	426	34	687	27	850	27	850	33	568	37	169	41	659	46	042	26	34	123	1455
120	437	423	34	688	27	851	27	851	33	568	37	170	41	660	46	044	26	29	129	1456
140	440	425	34	690	27	853	27	853	33	572	37	173	41	663	46	046	26	02	136	1456
160	435	419	34	693	27	855	27	855	33	573	37	174	41	664	46	047	26	98	142	1457
180	427	409	34	693	27	855	27	855	33	573	37	175	41	666	46	049	26	93	149	1457
200	419	400	34	693	27	855	27	855	33	574	37	176	41	667	46	051	26	87	155	1457
425	400	381	34	692	27	856	27	857	33	575	37	178	41	669	46	054	26	78	162	1458
475	384	363	34	692	27	857	27	858	33	577	37	179	41	669	46	057	26	71	168	1458
500	363	341	34	691	27	858	27	859	33	578	37	182	41	671	46	059	26	66	173	1458
550	341	316	34	691	27	858	27	8												

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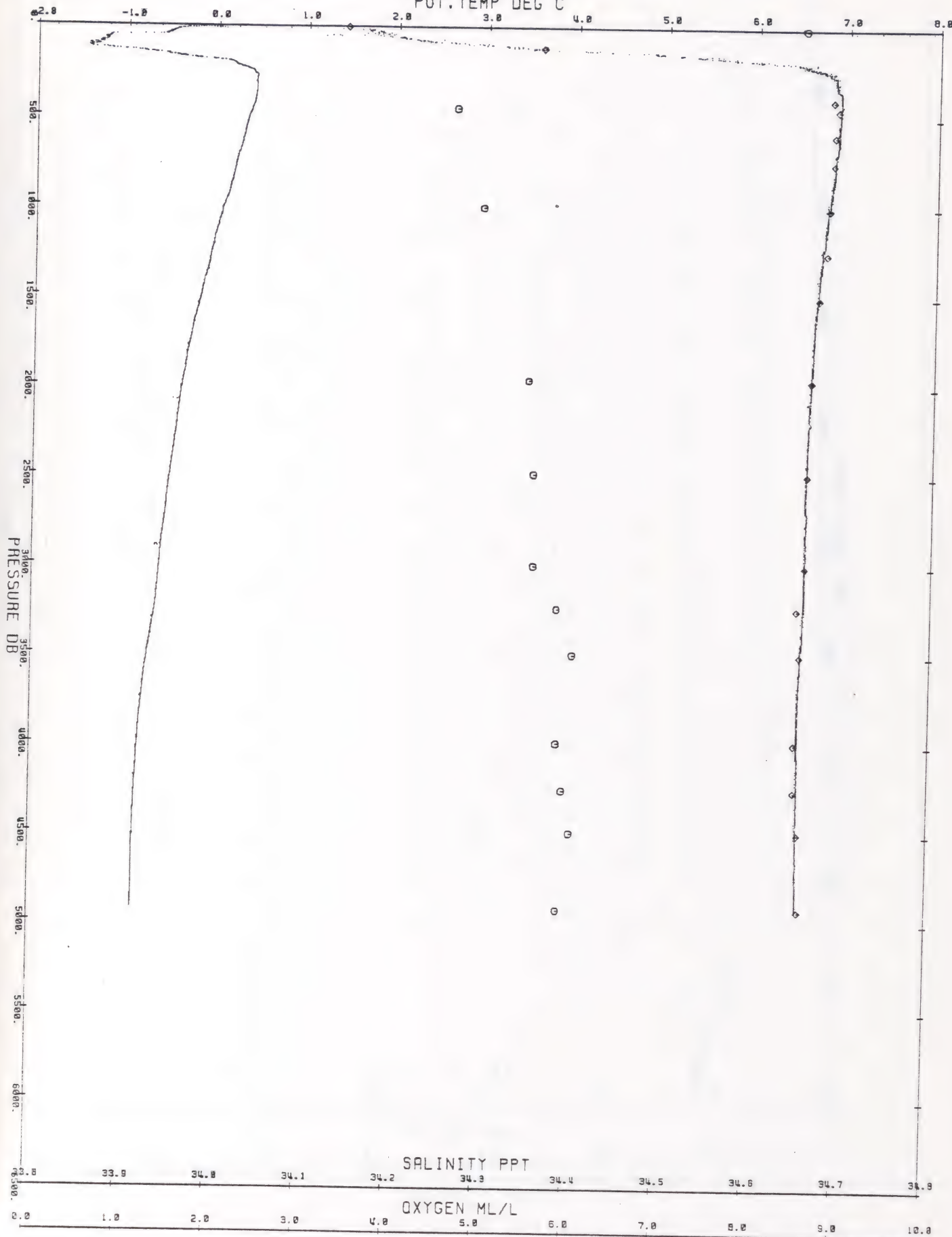
1011

ST 29

LAT -56.098

LONG 9.361

POT. TEMP DEG C





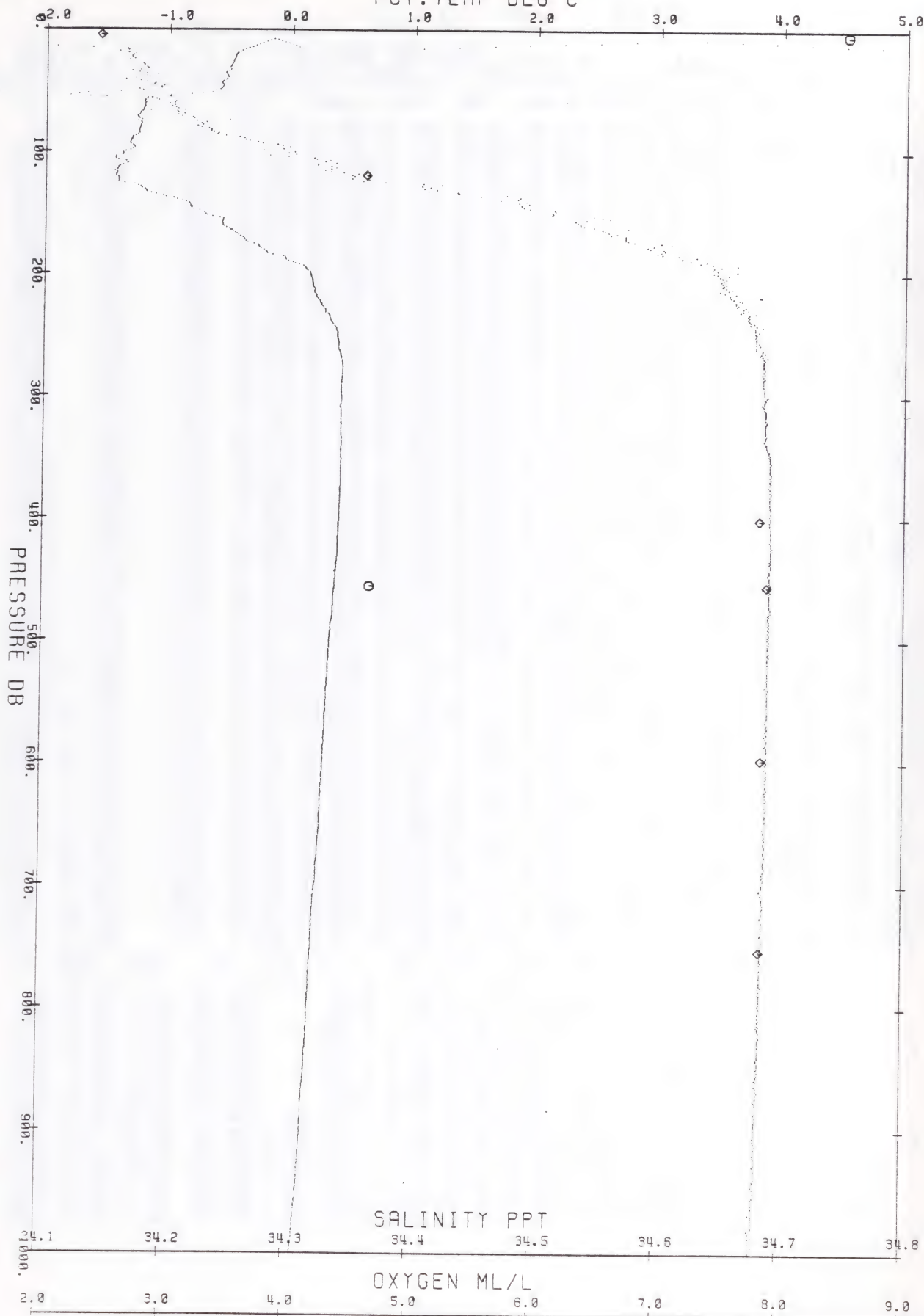
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ST 29

LAT -56.098

LONG 9.361

POT. TEMP DEG C

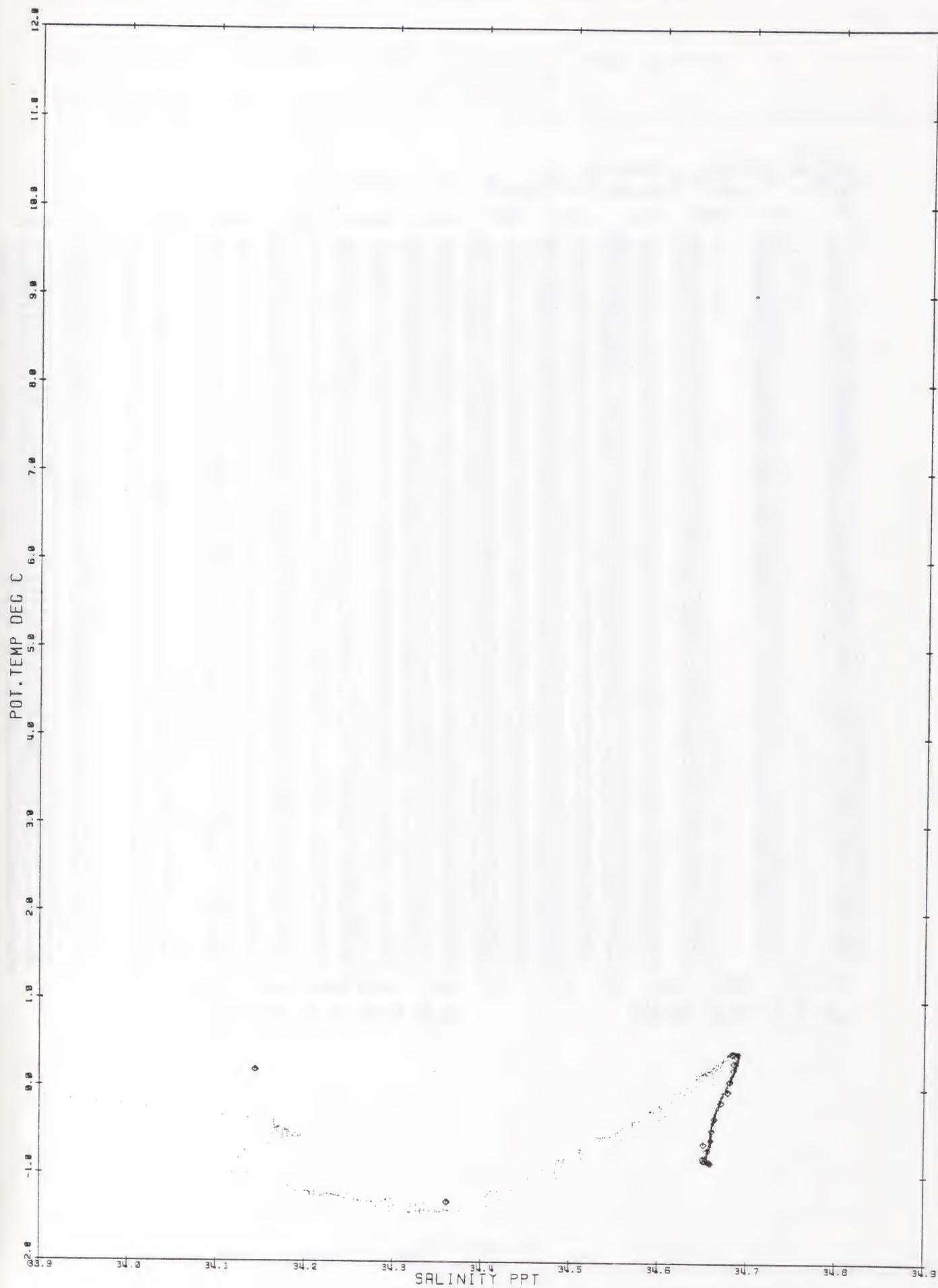


1011

ST 29

LAT -56.098

LONG 9.361





SHIP ID CRUISE 11 STATION 30  
 START 55 6.90 S 9 57.20 E AT 117 76/12/ 7  
 WIND = 1M/S COR. DEPTH = 4631M

DE	TEMP	THETA	SAL	SGM-T	SGM-O	SGM-1	SGM-2	SGM-3	SGM-4	AN	HZ	SVEL
0	- 521	- 521	34.293	27.581	27.581	32.330	36.962	41.482	45.894	51.58	.000	1445.9
20	- 658	- 659	34.307	27.598	27.598	32.351	36.987	41.511	45.927	49.91	.010	1445.6
40	- 706	- 708	34.309	27.602	27.602	32.356	36.993	41.518	45.936	49.53	.020	1445.7
60	- 779	- 780	34.311	27.606	27.606	32.362	36.002	41.529	45.949	49.05	.030	1445.7
80	-1.225	-1.227	34.334	27.641	27.641	32.411	37.064	41.604	46.036	45.54	.039	1444.0
100	-1.209	-1.212	34.334	27.682	27.682	32.451	37.103	41.642	46.073	41.65	.048	1444.5
120	-1.278	-1.283	34.426	27.739	27.739	32.481	37.108	41.622	46.029	36.45	.056	1448.8
140	-1.234	-1.239	34.578	27.774	27.774	32.498	37.106	41.602	45.991	33.35	.063	1452.1
160	1.069	1.062	34.639	27.772	27.773	32.471	37.055	41.528	45.895	33.89	.070	1456.3
180	1.371	1.363	34.625	27.774	27.774	32.479	37.068	41.546	45.919	33.69	.076	1459.7
200	1.785	1.776	34.638	27.789	27.790	32.497	37.088	41.569	45.944	32.21	.083	1455.7
220	1.868	1.858	34.653	27.797	27.797	32.502	37.091	41.569	45.942	31.59	.089	1455.4
240	1.905	1.894	34.661	27.800	27.801	32.504	37.092	41.570	45.941	31.31	.096	1455.9
260	1.922	1.910	34.667	27.804	27.805	32.508	37.095	41.572	45.943	31.01	.102	1457.3
280	1.903	1.890	34.669	27.807	27.808	32.511	37.099	41.577	45.948	30.74	.108	1457.6
300	1.931	1.917	34.680	27.814	27.815	32.517	37.104	41.581	45.952	30.19	.114	1458.0
320	1.922	1.907	34.693	27.818	27.819	32.519	37.104	41.578	45.946	29.88	.122	1458.9
340	1.977	1.960	34.692	27.821	27.822	32.523	37.109	41.584	45.954	29.65	.129	1459.1
360	1.931	1.913	34.692	27.823	27.824	32.527	37.114	41.590	45.961	29.44	.136	1459.3
380	1.884	1.866	34.690	27.825	27.826	32.530	37.118	41.596	45.968	29.29	.144	1459.5
400	1.833	1.813	34.683	27.827	27.828	32.533	37.127	41.607	45.982	29.01	.151	1459.4
420	1.710	1.689	34.681	27.829	27.830	32.539	37.133	41.616	45.992	28.79	.158	1459.5
440	1.586	1.564	34.678	27.834	27.835	32.548	37.145	41.631	46.011	28.19	.165	1459.4
460	1.459	1.437	34.683	27.839	27.840	32.552	37.149	41.635	46.015	27.79	.172	1459.9
480	1.338	1.314	34.689	27.844	27.846	32.559	37.157	41.644	46.029	27.33	.186	1460.6
500	1.214	1.189	34.693	27.847	27.849	32.563	37.162	41.650	46.031	26.85	.200	1461.4
520	1.089	1.061	34.699	27.849	27.851	32.566	37.166	41.655	46.037	26.37	.214	1462.2
540	0.964	0.937	34.697	27.850	27.852	32.569	37.170	41.661	46.045	25.85	.227	1463.3
560	0.839	0.811	34.699	27.853	27.855	32.572	37.174	41.666	46.050	25.48	.241	1464.3
580	0.717	0.686	34.699	27.855	27.857	32.576	37.176	41.667	46.052	25.11	.254	1465.4
600	0.594	0.561	34.699	27.856	27.858	32.578	37.179	41.671	46.057	24.76	.267	1466.4
620	0.470	0.437	34.699	27.856	27.858	32.579	37.182	41.675	46.061	24.41	.280	1467.5
640	0.347	0.313	34.699	27.856	27.858	32.583	37.184	41.677	46.064	24.10	.293	1468.6
660	0.224	0.197	34.699	27.856	27.858	32.586	37.189	41.683	46.072	23.83	.306	1469.7
680	0.101	0.073	34.699	27.856	27.858	32.590	37.194	41.691	46.080	23.59	.319	1470.8
700	-0.022	-0.009	34.699	27.856	27.858	32.593	37.199	41.697	46.088	23.37	.332	1471.9
720	-0.146	-0.138	34.699	27.856	27.858	32.597	37.203	41.703	46.099	23.17	.345	1473.0
740	-0.270	-0.262	34.699	27.856	27.858	32.600	37.208	41.709	46.103	22.99	.358	1474.1
760	-0.394	-0.386	34.699	27.856	27.858	32.603	37.211	41.713	46.109	22.82	.371	1475.2
780	-0.518	-0.510	34.699	27.856	27.858	32.607	37.215	41.718	46.115	22.66	.384	1476.3
800	-0.642	-0.634	34.699	27.856	27.858	32.610	37.217	41.722	46.120	22.51	.397	1477.4
820	-0.766	-0.758	34.699	27.856	27.858	32.614	37.221	41.727	46.126	22.37	.410	1478.5
840	-0.890	-0.882	34.699	27.856	27.858	32.617	37.224	41.730	46.130	22.24	.423	1479.6
860	-1.014	-1.006	34.699	27.856	27.858	32.620	37.227	41.733	46.137	22.11	.436	1480.7
880	-1.138	-1.130	34.699	27.856	27.858	32.623	37.230	41.735	46.141	22.00	.449	1481.8
900	-1.262	-1.254	34.699	27.856	27.858	32.626	37.232	41.742	46.145	21.89	.462	1482.9
920	-1.386	-1.378	34.699	27.856	27.858	32.629	37.235	41.746	46.150	21.79	.475	1484.0
940	-1.510	-1.502	34.699	27.856	27.858	32.632	37.237	41.749	46.153	21.70	.488	1485.1
960	-1.634	-1.626	34.699	27.856	27.858	32.635	37.241	41.751	46.156	21.62	.501	1486.2
980	-1.758	-1.750	34.699	27.856	27.858	32.638	37.244	41.754	46.160	21.55	.514	1487.3
1000	-1.882	-1.874	34.699	27.856	27.858	32.641	37.247	41.756	46.163	21.48	.527	1488.4
1020	-2.006	-1.998	34.699	27.856	27.858	32.644	37.250	41.759	46.165	21.41	.540	1489.5
1040	-2.130	-2.122	34.699	27.856	27.858	32.647	37.252	41.762	46.170	21.34	.553	1490.6
1060	-2.254	-2.246	34.699	27.856	27.858	32.650	37.255	41.765	46.178	21.27	.566	1491.7
1080	-2.378	-2.370	34.699	27.856	27.858	32.653	37.258	41.775	46.185	21.20	.579	1492.8
1100	-2.502	-2.494	34.699	27.856	27.858	32.656	37.261	41.778	46.189	21.13	.592	1493.9
1120	-2.626	-2.618	34.699	27.856	27.858	32.659	37.264	41.781	46.193	21.06	.605	1495.0
1140	-2.750	-2.742	34.699	27.856	27.858	32.662	37.267	41.783	46.196	21.00	.618	1496.1
1160	-2.874	-2.866	34.699	27.856	27.858	32.665	37.270	41.785	46.198	20.93	.631	1497.2
1180	-3.000	-2.992	34.699	27.856	27.858	32.668	37.273	41.790	46.205	20.86	.644	1498.3
1200	-3.124	-3.116	34.699	27.856	27.858	32.671	37.276	41.791	46.207	20.79	.657	1499.4

DE	TEMP	THETA	SAL	OXY	SIL	PO4	SGM-T	SGM-O	SGM-2	SGM-4	FLAG
3	-0.47	-0.47	34.310				27.59	27.59	36.97	45.90	A1
988	0.36	0.32	34.680				27.85	27.85	37.18	46.06	A1

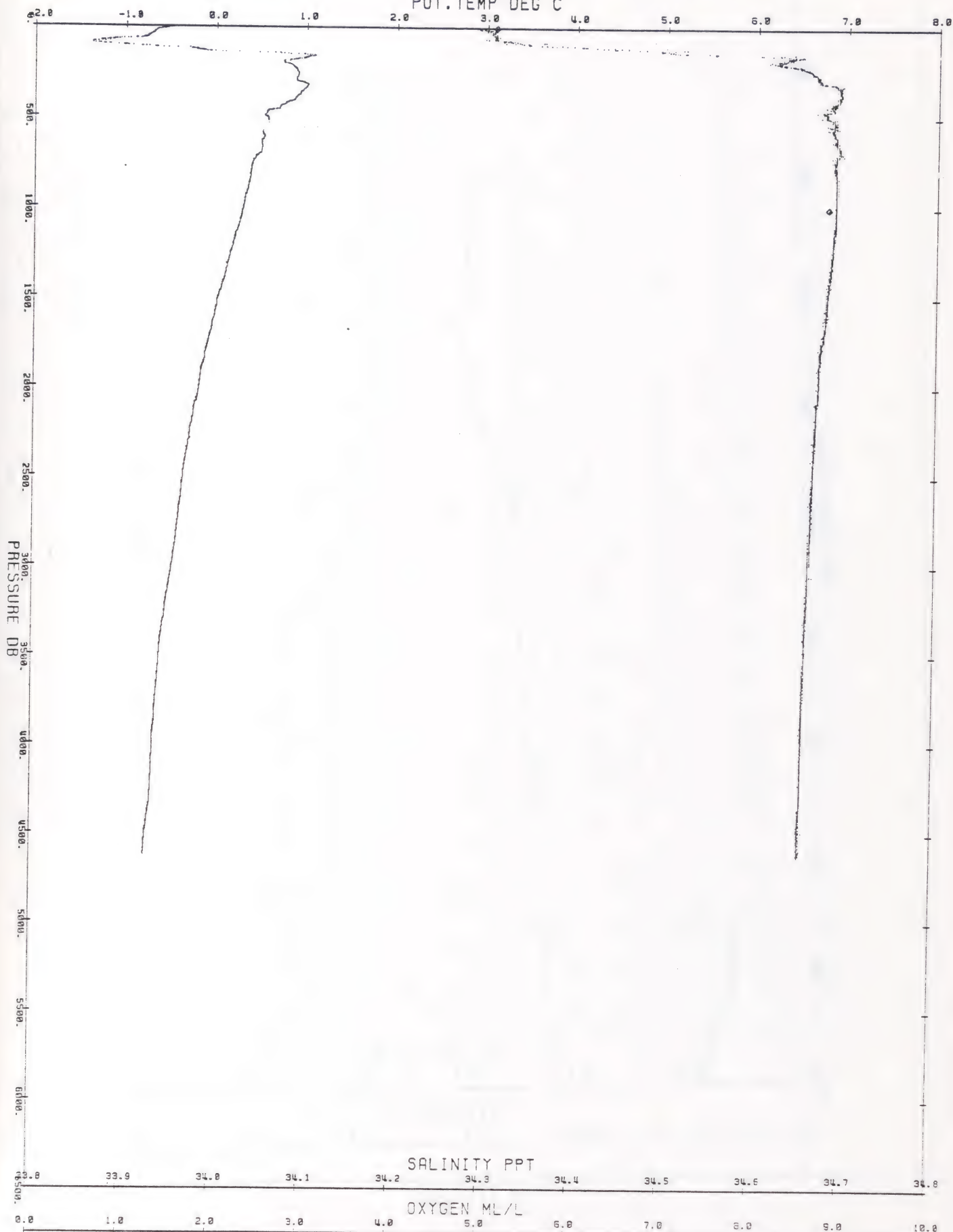
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ST 30

LAT -54.931

LONG 9.572

POT. TEMP DEG C





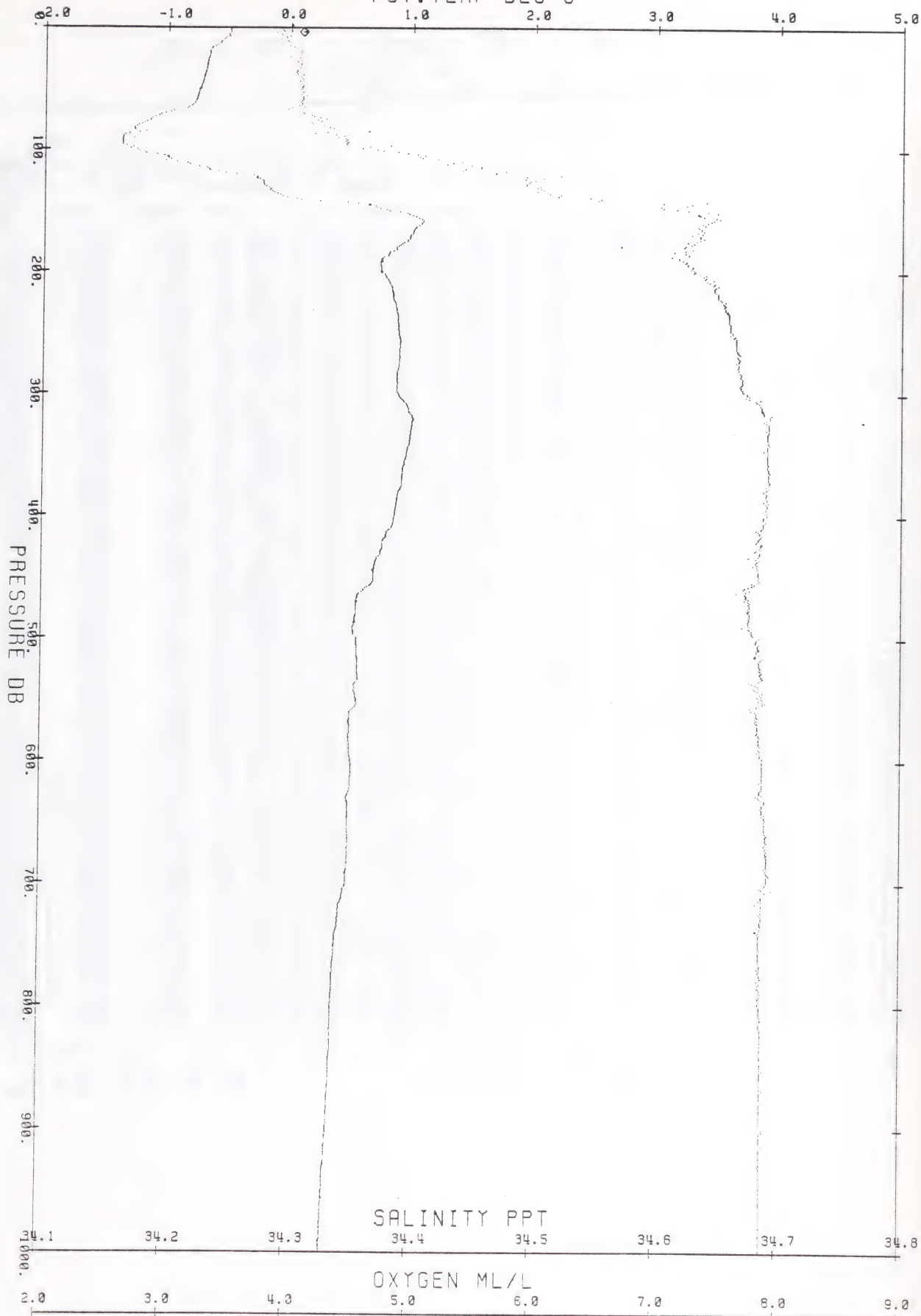
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ST 30

LAT -54.931

LONG 9.572

POT. TEMP DEG C



SALINITY PPT

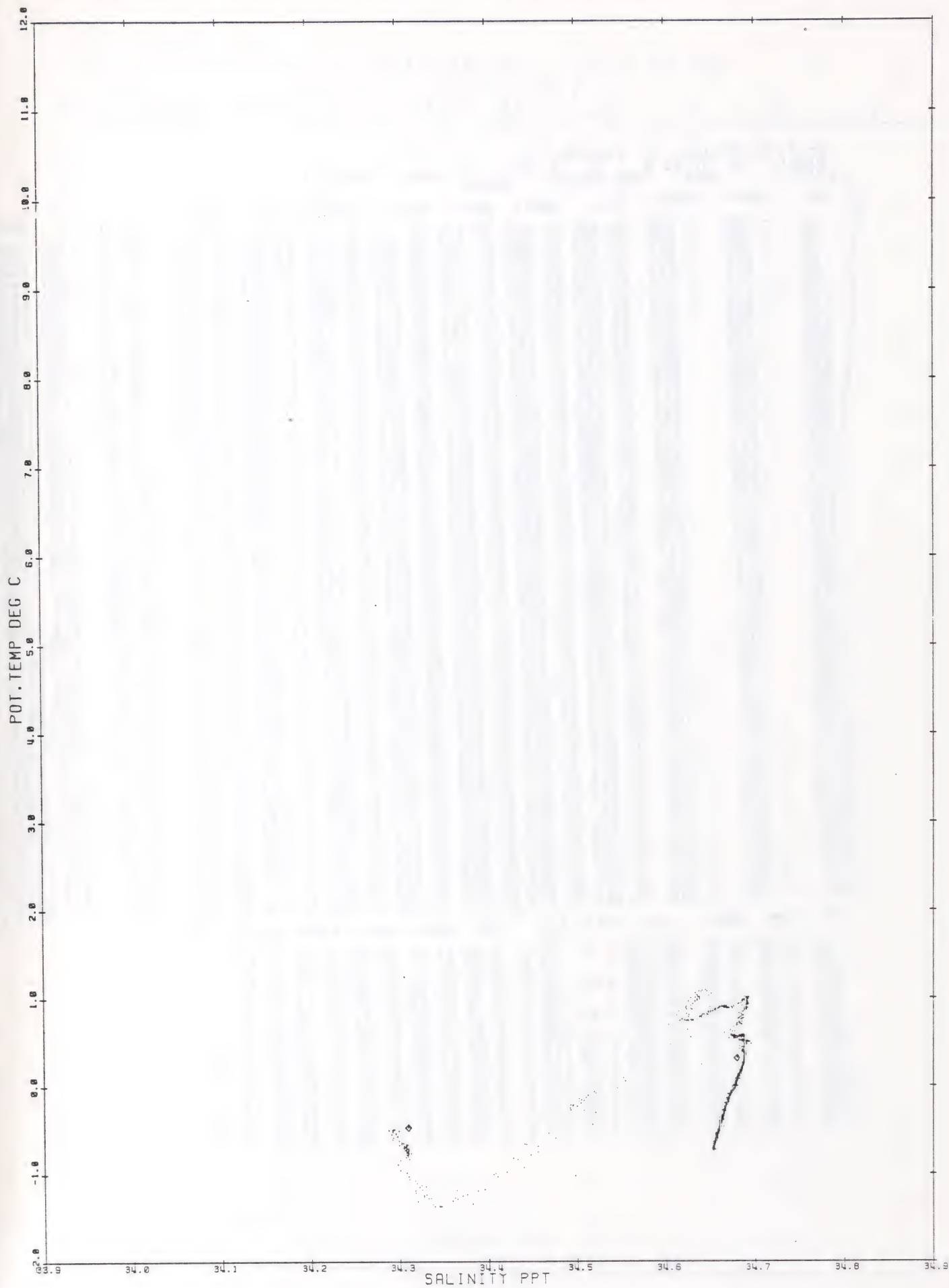
OXYGEN ML/L

I011

ST 30

LAT -54.931

LONG 9.572





SHIP ID CRUISE 11 STATION 31  
START 54 31 50 S 10 16.10 E AT 2030 76/12/ 7  
WIND = 6M/S COR. DEPTH = 3814M

DE	TEMP	THETA	SAL	SGM-T	SGM-O	SGM-1	SGM-2	SGM-3	SGM-4	AN	HZ	SVEL
0												
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8												
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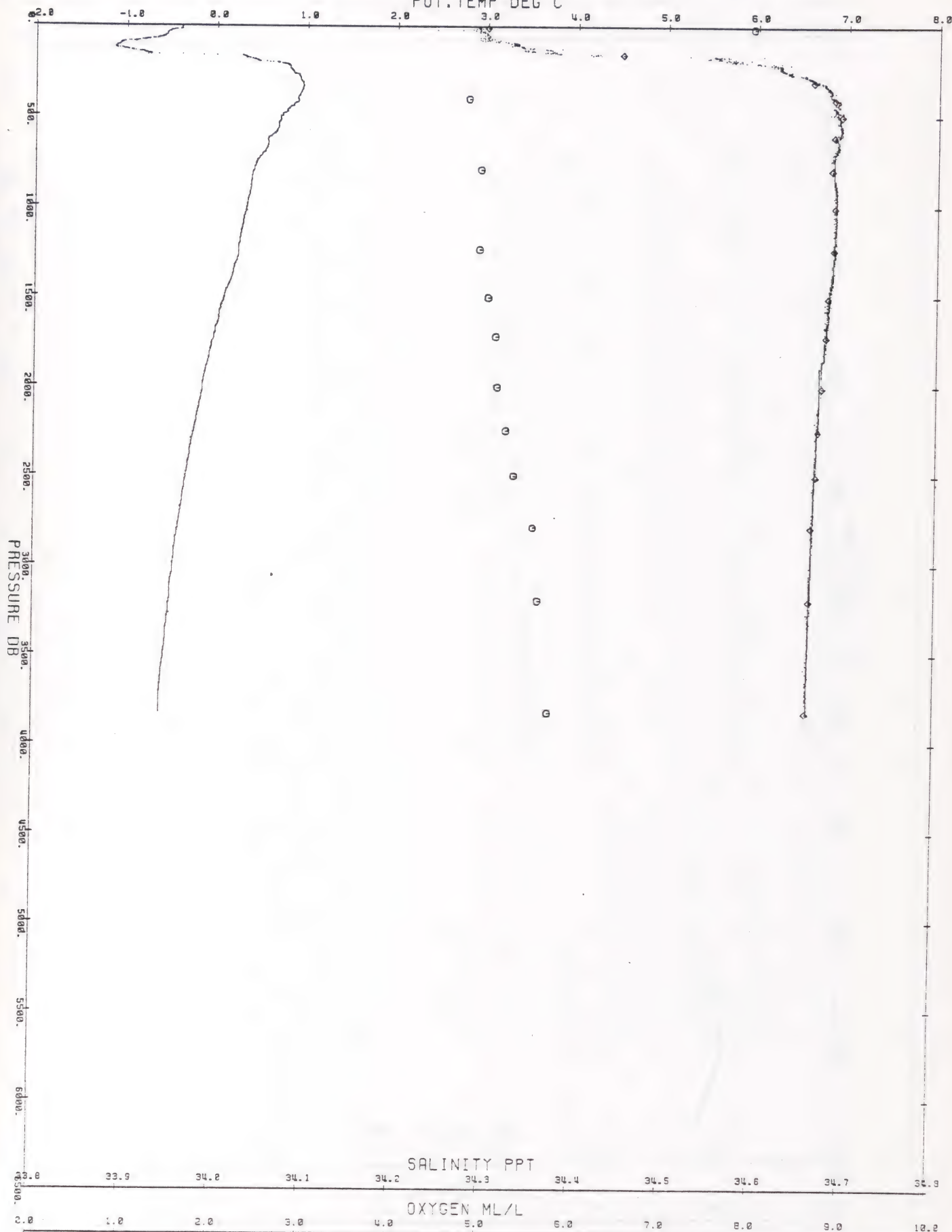
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ST 31

LAT -53.685

LONG 10.161

POT. TEMP DEG C





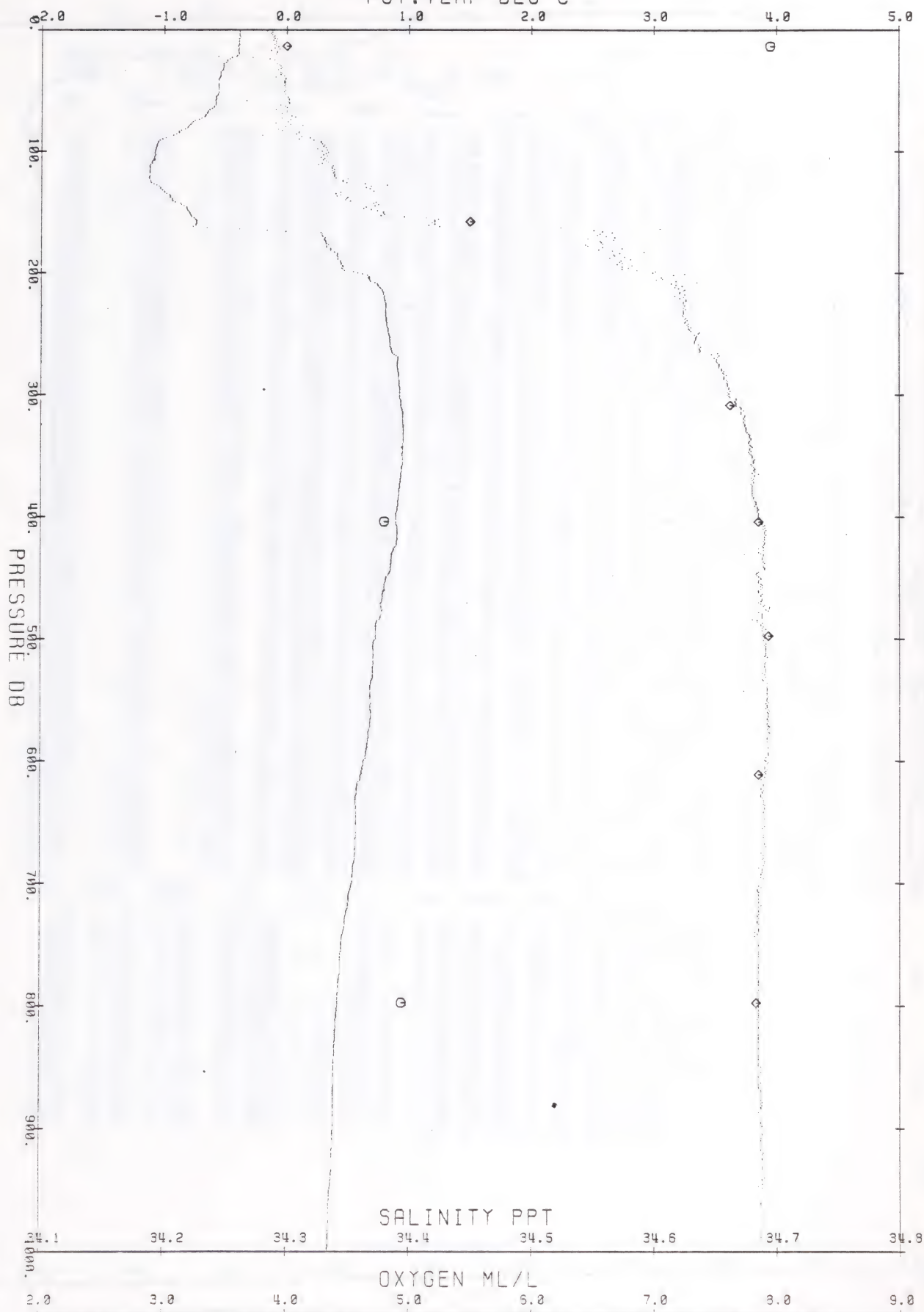
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ST 31

LAT -53.685

LONG 10.161

POT. TEMP DEG C

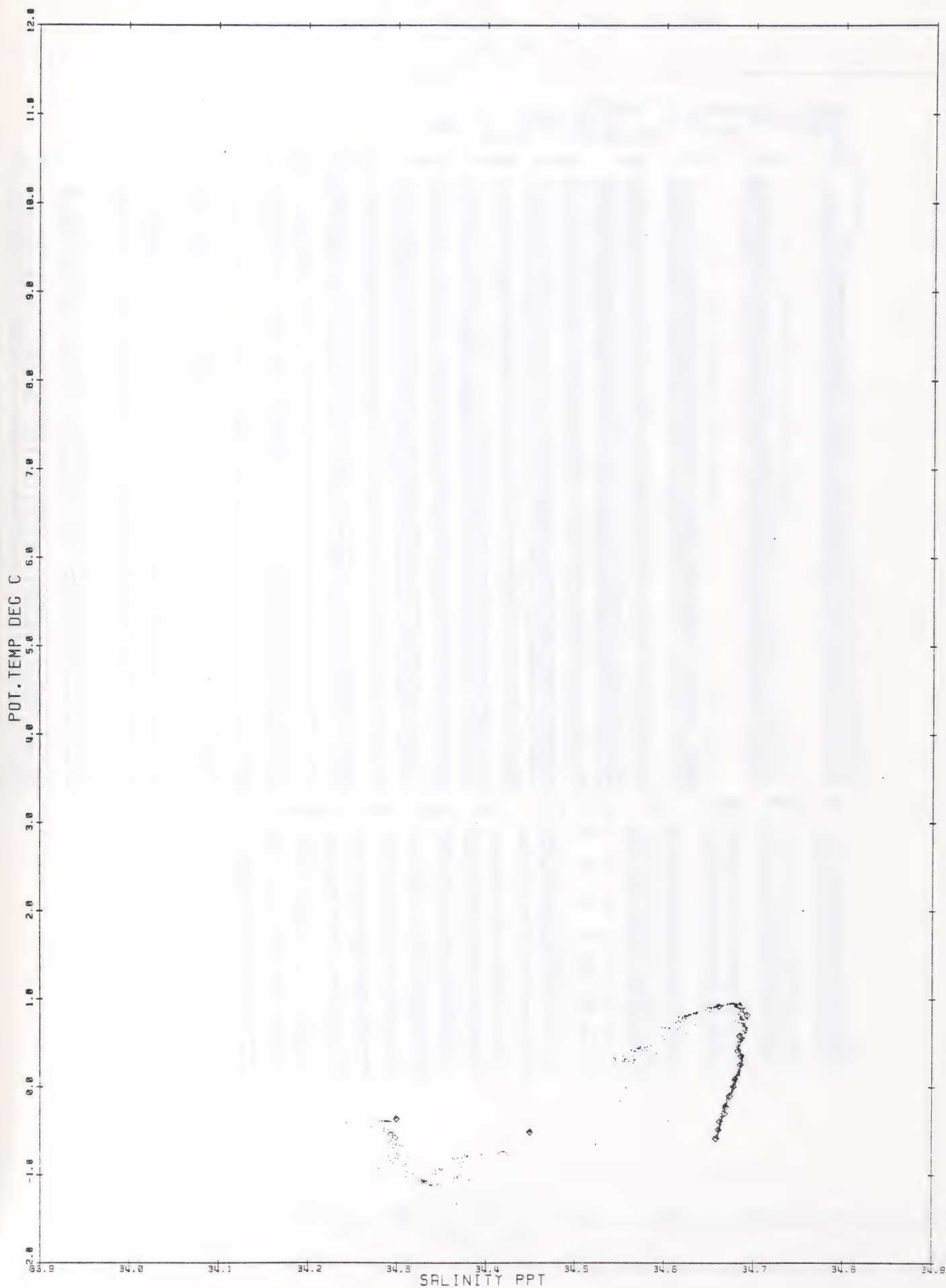


1011

ST 31

LAT -53.685

LONG 10.161





SHIP ID CRUISE 11 STATION 32  
 START 54 90 S 10 39.60 E AT 550 76/12/ 8  
 WIND = 4M/S COR. DEPTH = 2795M

DE	TEMP	THETA	SAL	SGM-T	SGM-O	SGM-1	SGM-2	SGM-3	SGM-4	AN	HZ	SVEL
0	427	427	34.2203	27.461	27.461	33.182	36.787	41.281	45.669	62.95	000	1450.0
20	389	389	34.2223	27.480	27.480	33.201	36.808	41.302	45.691	61.23	012	1450.0
40	371	371	34.2243	27.481	27.481	33.203	36.810	41.305	45.694	61.09	025	1450.0
60	387	387	34.2263	27.487	27.488	33.212	36.822	41.319	45.711	60.45	037	1450.0
80	315	315	34.2333	27.497	27.498	33.224	36.836	41.335	45.728	59.49	049	1450.0
100	366	366	34.2371	27.556	27.557	33.301	36.928	41.444	45.853	53.73	060	1450.0
120	388	388	34.2433	27.611	27.612	33.353	36.978	41.491	45.893	49.52	070	1450.0
140	399	399	34.2523	27.639	27.640	33.389	36.964	41.457	45.884	46.14	080	1450.0
160	737	737	34.2599	27.673	27.673	33.399	36.977	41.460	45.893	43.13	089	1450.0
180	865	865	34.2699	27.699	27.699	33.400	36.992	41.471	45.903	41.02	097	1450.0
200	170	170	34.2761	27.723	27.723	33.400	36.992	41.472	45.903	38.67	105	1450.0
220	311	311	34.2830	27.720	27.720	33.400	36.992	41.457	45.893	39.09	113	1450.0
240	342	342	34.2900	27.731	27.731	33.400	36.992	41.465	45.893	38.16	121	1450.0
260	403	403	34.2930	27.744	27.744	33.400	36.992	41.472	45.893	37.02	128	1450.0
280	444	444	34.2930	27.747	27.747	33.400	36.992	41.472	45.893	36.80	136	1450.0
300	440	440	34.2930	27.755	27.755	33.400	36.992	41.481	45.893	36.09	143	1450.0
320	441	441	34.2930	27.764	27.764	33.400	36.992	41.489	45.893	35.38	152	1450.0
340	433	433	34.2930	27.770	27.770	33.400	36.992	41.496	45.893	34.66	161	1450.0
360	434	434	34.2930	27.778	27.778	33.400	36.992	41.504	45.893	33.95	169	1450.0
380	439	439	34.2930	27.786	27.786	33.400	36.992	41.511	45.893	33.24	178	1450.0
400	440	440	34.2930	27.793	27.793	33.400	36.992	41.518	45.893	32.53	186	1450.0
420	440	440	34.2930	27.801	27.801	33.400	36.992	41.525	45.893	31.82	194	1450.0
440	440	440	34.2930	27.808	27.808	33.400	36.992	41.532	45.893	31.11	202	1450.0
460	440	440	34.2930	27.815	27.815	33.400	36.992	41.539	45.893	30.40	210	1450.0
480	440	440	34.2930	27.822	27.822	33.400	36.992	41.546	45.893	29.69	218	1450.0
500	440	440	34.2930	27.829	27.829	33.400	36.992	41.553	45.893	28.98	226	1450.0
520	440	440	34.2930	27.836	27.836	33.400	36.992	41.560	45.893	28.27	234	1450.0
540	440	440	34.2930	27.843	27.843	33.400	36.992	41.567	45.893	27.56	242	1450.0
560	440	440	34.2930	27.850	27.850	33.400	36.992	41.574	45.893	26.85	250	1450.0
580	440	440	34.2930	27.857	27.857	33.400	36.992	41.581	45.893	26.14	258	1450.0
600	440	440	34.2930	27.864	27.864	33.400	36.992	41.588	45.893	25.43	266	1450.0
620	440	440	34.2930	27.871	27.871	33.400	36.992	41.595	45.893	24.72	274	1450.0
640	440	440	34.2930	27.878	27.878	33.400	36.992	41.602	45.893	24.01	282	1450.0
660	440	440	34.2930	27.885	27.885	33.400	36.992	41.609	45.893	23.30	290	1450.0
680	440	440	34.2930	27.892	27.892	33.400	36.992	41.616	45.893	22.59	298	1450.0
700	440	440	34.2930	27.899	27.899	33.400	36.992	41.623	45.893	21.88	306	1450.0
720	440	440	34.2930	27.906	27.906	33.400	36.992	41.630	45.893	21.17	314	1450.0
740	440	440	34.2930	27.913	27.913	33.400	36.992	41.637	45.893	20.46	322	1450.0
760	440	440	34.2930	27.920	27.920	33.400	36.992	41.644	45.893	19.75	330	1450.0
780	440	440	34.2930	27.927	27.927	33.400	36.992	41.651	45.893	19.04	338	1450.0
800	440	440	34.2930	27.934	27.934	33.400	36.992	41.658	45.893	18.33	346	1450.0
820	440	440	34.2930	27.941	27.941	33.400	36.992	41.665	45.893	17.62	354	1450.0
840	440	440	34.2930	27.948	27.948	33.400	36.992	41.672	45.893	16.91	362	1450.0
860	440	440	34.2930	27.955	27.955	33.400	36.992	41.679	45.893	16.20	370	1450.0
880	440	440	34.2930	27.962	27.962	33.400	36.992	41.686	45.893	15.49	378	1450.0
900	440	440	34.2930	27.969	27.969	33.400	36.992	41.693	45.893	14.78	386	1450.0
920	440	440	34.2930	27.976	27.976	33.400	36.992	41.700	45.893	14.07	394	1450.0
940	440	440	34.2930	27.983	27.983	33.400	36.992	41.707	45.893	13.36	402	1450.0
960	440	440	34.2930	27.990	27.990	33.400	36.992	41.714	45.893	12.65	410	1450.0
980	440	440	34.2930	27.997	27.997	33.400	36.992	41.721	45.893	11.94	418	1450.0
1000	440	440	34.2930	28.004	28.004	33.400	36.992	41.728	45.893	11.23	426	1450.0
1020	440	440	34.2930	28.011	28.011	33.400	36.992	41.735	45.893	10.52	434	1450.0
1040	440	440	34.2930	28.018	28.018	33.400	36.992	41.742	45.893	9.81	442	1450.0
1060	440	440	34.2930	28.025	28.025	33.400	36.992	41.749	45.893	9.10	450	1450.0
1080	440	440	34.2930	28.032	28.032	33.400	36.992	41.756	45.893	8.39	458	1450.0
1100	440	440	34.2930	28.039	28.039	33.400	36.992	41.763	45.893	7.68	466	1450.0
1120	440	440	34.2930	28.046	28.046	33.400	36.992	41.770	45.893	6.97	474	1450.0
1140	440	440	34.2930	28.053	28.053	33.400	36.992	41.777	45.893	6.26	482	1450.0
1160	440	440	34.2930	28.060	28.060	33.400	36.992	41.784	45.893	5.55	490	1450.0
1180	440	440	34.2930	28.067	28.067	33.400	36.992	41.791	45.893	4.84	498	1450.0
1200	440	440	34.2930	28.074	28.074	33.400	36.992	41.798	45.893	4.13	506	1450.0
1220	440	440	34.2930	28.081	28.081	33.400	36.992	41.805	45.893	3.42	514	1450.0
1240	440	440	34.2930	28.088	28.088	33.400	36.992	41.812	45.893	2.71	522	1450.0
1260	440	440	34.2930	28.095	28.095	33.400	36.992	41.819	45.893	2.00	530	1450.0
1280	440	440	34.2930	28.102	28.102	33.400	36.992	41.826	45.893	1.29	538	1450.0
1300	440	440	34.2930	28.109	28.109	33.400	36.992	41.833	45.893	0.58	546	1450.0
1320	440	440	34.2930	28.116	28.116	33.400	36.992	41.840	45.893	-0.13	554	1450.0
1340	440	440	34.2930	28.123	28.123	33.400	36.992	41.847	45.893	-0.84	562	1450.0
1360	440	440	34.2930	28.130	28.130	33.400	36.992	41.854	45.893	-1.55	570	1450.0
1380	440	440	34.2930	28.137	28.137	33.400	36.992	41.861	45.893	-2.26	578	1450.0
1400	440	440	34.2930	28.144	28.144	33.400	36.992	41.868	45.893	-2.97	586	1450.0
1420	440	440	34.2930	28.151	28.151	33.400	36.992	41.875	45.893	-3.68	594	1450.0
1440	440	440	34.2930	28.158	28.158	33.400	36.992	41.882	45.893	-4.39	602	1450.0
1460	440	440	34.2930	28.165	28.165	33.400	36.992	41.889	45.893	-5.10	610	1450.0
1480	440	440	34.2930	28.172	28.172	33.400	36.992	41.896	45.893	-5.81	618	1450.0
1500	440	440	34.2930	28.179	28.179	33.400	36.992	41.903	45.893	-6.52	626	1450.0
1520	440	440	34.2930	28.186	28.186	33.400	36.992	41.910	45.893	-7.23	634	1450.0
1540	440	440	34.2930	28.193	28.193	33.400	36.992	41.917	45.893	-7.94	642	1450.0
1560	440	440	34.2930	28.200	28.200	33.400	36.992	41.924	45.893	-8.65	650	1450.0
1580	440	440	34.2930	28.207	28.207	33.400	36.992	41.931	45.893	-9.36	658	1450.0
1600	440	440	34.2930	28.214	28.214	33.400	36.992	41.938	45.893	-10.07	666	1450.0
1620	440	440	34.2930	28.221	28.221	33.400	36.992	41.945	45.893	-10.78	674	1450.0
1640	440	440	34.2930	28.228	28.228	33.400	36.992	41.952	45.893	-11.49	682	1450.0
1660	440	440	34.2930	28.235	28.235	33.400	36.992	41.959	45.893	-12.20	690	1450.0
1680	440	440	34.2930	28.242	28.242	33.400	36.992	41.966	45.893	-12.91	698	1450.0
1700	440	440	34.2930	28.249	28.249	33.400	36.992	41.973	45.893	-13.62	706	1450.0
1720	440	440	34.2930	28.256	28.256	33.400	36.992	41.980	45.893	-14.33	714	1450.0
1740	440	440	34.2930	28.263	28.263	33.400	36.992	41.987	45.893	-15.04	722	1450.0
1760	440	440	34.2930	28.270	28.270	33.400	36.992	41.994	45.893	-15.75	730	1450.0
1780	440	440	34.2930									

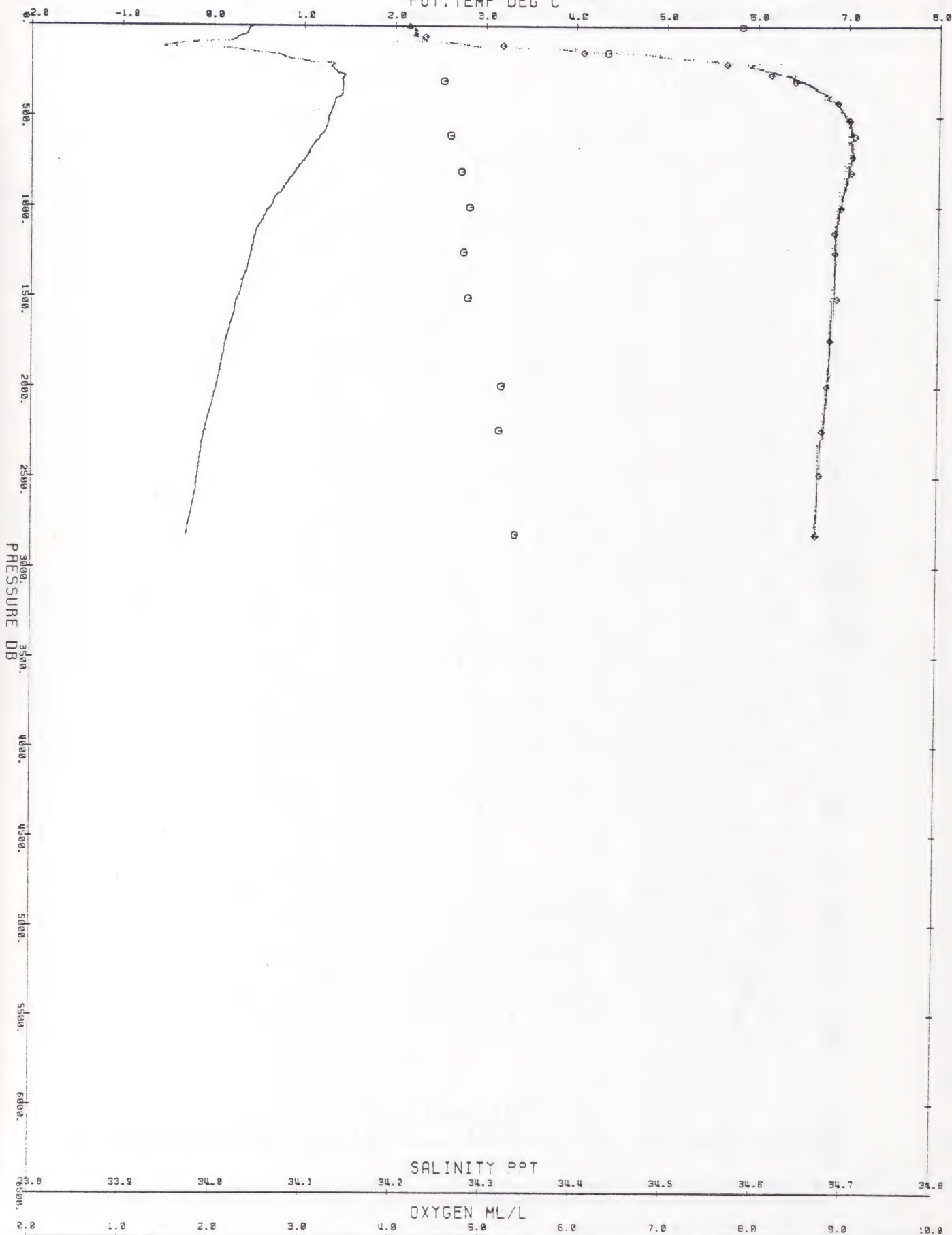
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ST 32

LAT -53.991

LONG 10.396

POT. TEMP DEG C





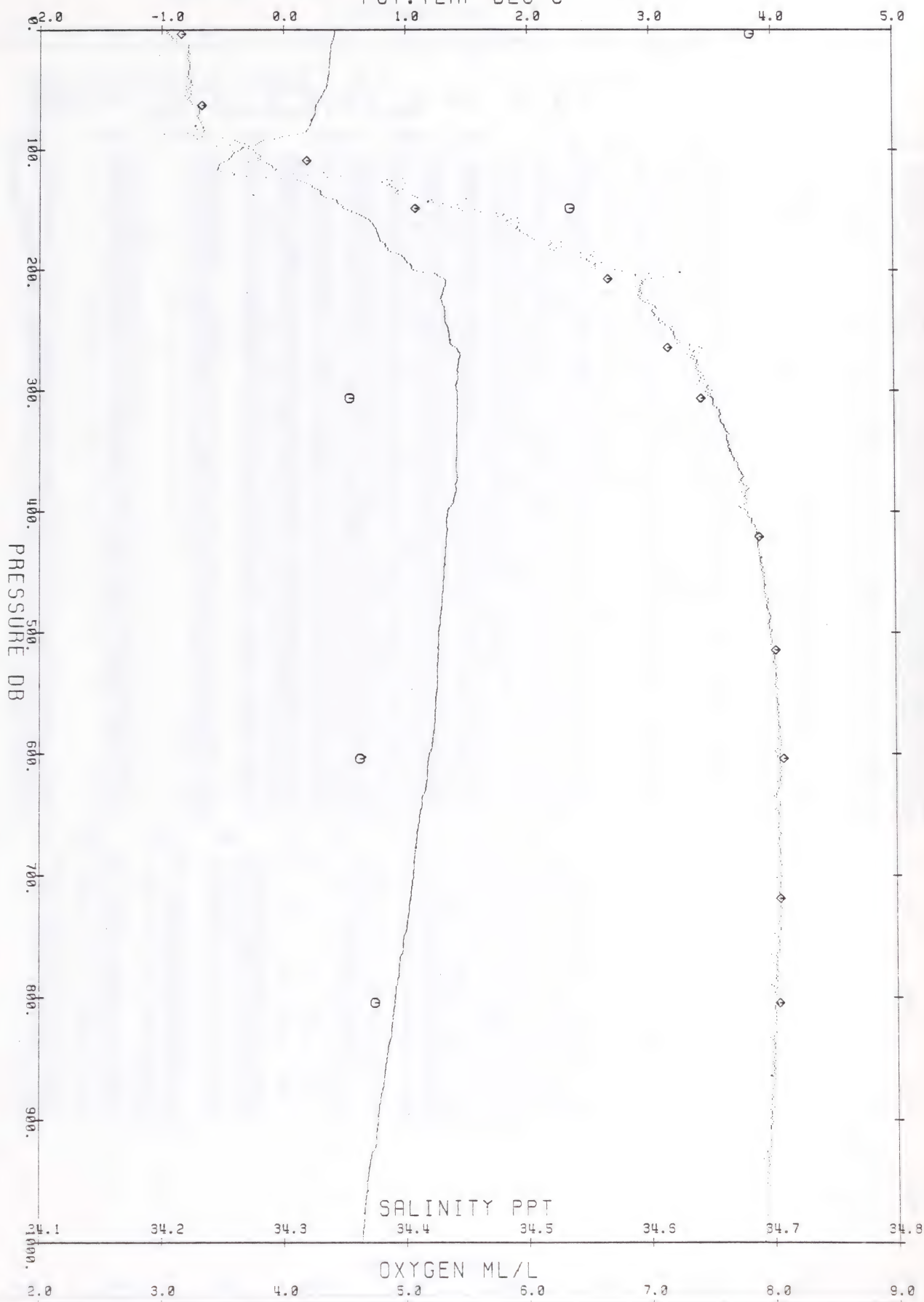
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ST 32

LAT -53.991

LONG 10.396

POT. TEMP DEG C

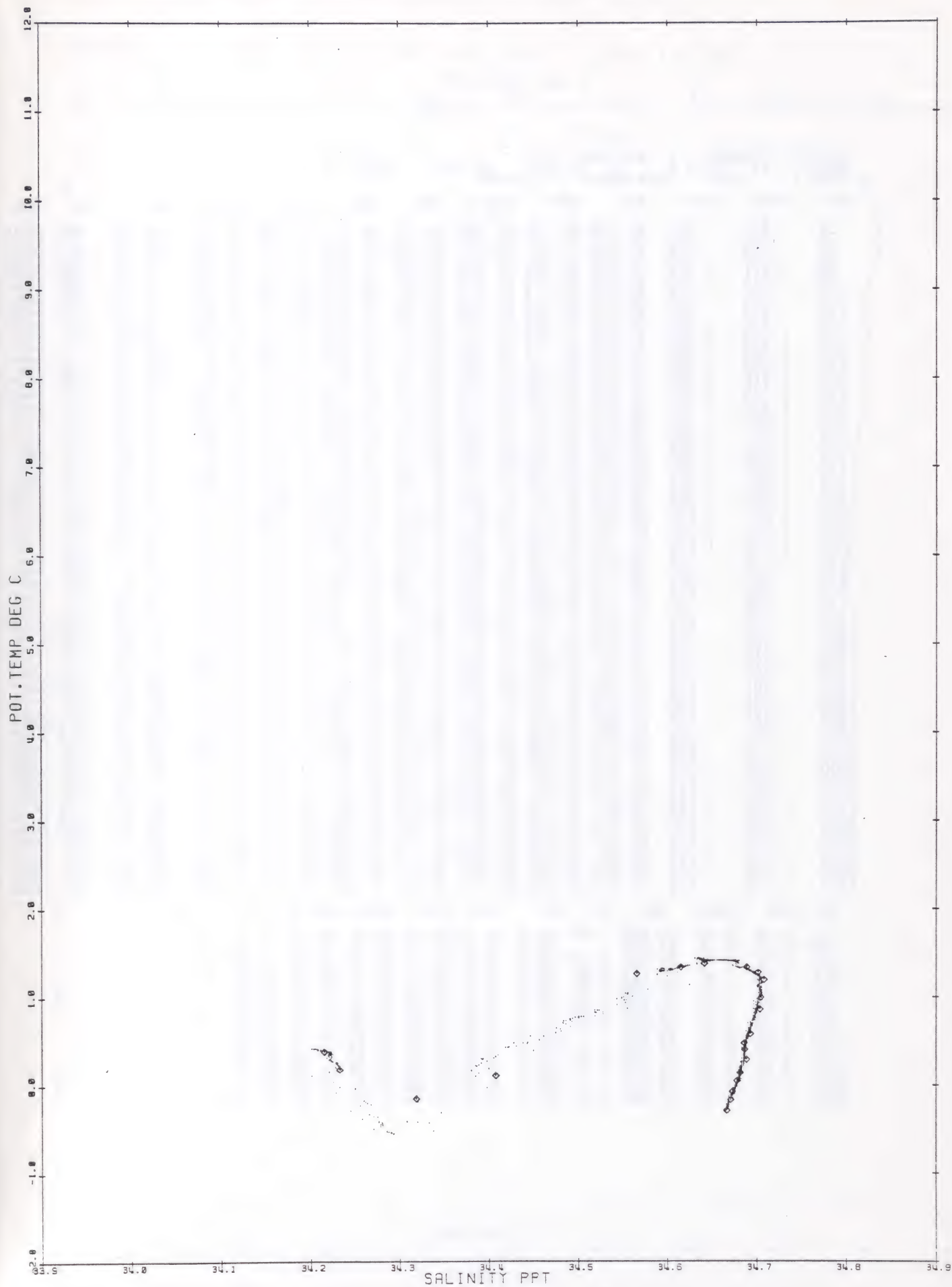


IO11

ST 32

LAT -53.991

LONG 10.396





SHIP IO CRUISE 11 STATION 33  
START 53 32.10 S 10 49.40 E AT 1916 76/12/ 8  
WIND = 7M/S COR. DEPTH = 3515M

DE	TEMP	THETA	SAL	SGM-T	SGM-O	SGM-1	SGM-2	SGM-3	SGM-4	AN	HZ	SVEL
0	517	517	34.203	27.456	27.456	32.174	36.777	41.268	45.653	63.46	000	1450.5
20	421	420	34.197	27.457	27.457	32.178	36.783	41.278	45.666	63.36	013	1450.4
40	218	216	34.233	27.499	27.499	32.226	36.836	41.336	45.729	59.40	025	1449.9
60	151	153	34.230	27.513	27.513	32.231	36.873	41.383	45.786	57.96	037	1448.5
80	211	214	34.262	27.542	27.543	32.282	36.905	41.417	45.821	55.13	048	1448.6
100	059	062	34.309	27.573	27.573	32.307	36.926	41.433	45.832	52.29	059	1449.7
120	124	119	34.372	27.614	27.614	32.343	36.956	41.457	45.851	48.41	069	1451.0
140	274	269	34.400	27.628	27.628	32.352	36.960	41.457	45.847	47.14	078	1452.0
160	674	667	34.474	27.665	27.665	32.376	36.972	41.458	45.836	43.88	087	1454.0
180	033	024	34.545	27.699	27.700	32.400	36.985	41.460	45.829	40.83	096	1456.0
200	59	59	34.578	27.710	27.711	32.404	36.983	41.451	45.815	39.93	104	1457.0
220	342	342	34.598	27.720	27.721	32.411	36.987	41.453	45.813	39.13	112	1458.0
240	421	421	34.620	27.731	27.732	32.420	36.994	41.457	45.819	38.17	120	1459.0
260	403	402	34.626	27.738	27.739	32.427	36.997	41.465	45.824	37.63	127	1459.0
280	470	456	34.643	27.748	27.749	32.436	36.998	41.471	45.827	36.78	135	1460.1
300	429	413	34.649	27.752	27.753	32.442	36.997	41.479	45.836	36.39	142	1460.0
320	553	536	34.650	27.761	27.762	32.453	36.999	41.494	45.854	35.35	151	1460.0
340	57	57	34.662	27.771	27.772	32.462	36.997	41.503	45.863	34.74	160	1460.7
360	367	348	34.678	27.783	27.784	32.474	36.997	41.514	45.874	33.68	168	1461.2
380	385	364	34.683	27.785	27.787	32.476	36.997	41.515	45.875	33.54	177	1461.7
400	409	387	34.688	27.788	27.789	32.478	36.997	41.516	45.874	33.42	185	1462.0
420	400	376	34.692	27.792	27.794	32.483	36.997	41.520	45.880	33.09	193	1462.6
440	386	361	34.694	27.795	27.796	32.486	36.997	41.523	45.884	32.92	202	1463.0
460	300	284	34.698	27.801	27.803	32.494	36.997	41.526	45.897	32.28	210	1463.9
480	97	97	34.702	27.807	27.809	32.501	36.997	41.528	45.907	31.89	226	1464.3
500	204	173	34.700	27.812	27.814	32.508	36.997	41.533	45.922	31.43	242	1464.7
520	120	087	34.701	27.814	27.816	32.518	36.997	41.537	45.938	30.76	257	1465.4
540	079	042	34.703	27.822	27.825	32.524	36.997	41.540	45.948	30.38	272	1465.4
560	006	948	34.703	27.827	27.830	32.531	36.997	41.541	45.960	29.97	288	1465.9
580	955	924	34.703	27.830	27.833	32.535	36.997	41.541	45.968	29.73	303	1466.5
600	955	981	34.703	27.832	27.835	32.538	36.997	41.541	45.975	29.56	317	1467.0
620	955	1006	34.698	27.833	27.836	32.542	36.997	41.541	45.985	29.36	332	1467.7
640	955	700	34.695	27.833	27.836	32.542	36.997	41.541	45.985	29.36	347	1468.0
660	955	642	34.693	27.833	27.836	32.542	36.997	41.541	45.985	29.36	361	1468.0
680	955	465	34.693	27.833	27.836	32.542	36.997	41.541	45.985	29.36	376	1468.0
700	955	444	34.693	27.833	27.836	32.542	36.997	41.541	45.985	29.36	391	1468.0
720	955	424	34.693	27.833	27.836	32.542	36.997	41.541	45.985	29.36	406	1468.0
740	955	406	34.693	27.833	27.836	32.542	36.997	41.541	45.985	29.36	421	1468.0
760	955	388	34.693	27.833	27.836	32.542	36.997	41.541	45.985	29.36	436	1468.0
780	955	372	34.693	27.833	27.836	32.542	36.997	41.541	45.985	29.36	451	1468.0
800	955	355	34.693	27.833	27.836	32.542	36.997	41.541	45.985	29.36	466	1468.0
820	955	338	34.693	27.833	27.836	32.542	36.997	41.541	45.985	29.36	481	1468.0
840	955	321	34.693	27.833	27.836	32.542	36.997	41.541	45.985	29.36	496	1468.0
860	955	304	34.693	27.833	27.836	32.542	36.997	41.541	45.985	29.36	511	1468.0
880	955	287	34.693	27.833	27.836	32.542	36.997	41.541	45.985	29.36	526	1468.0
900	955	270	34.693	27.833	27.836	32.542	36.997	41.541	45.985	29.36	541	1468.0
920	955	253	34.693	27.833	27.836	32.542	36.997	41.541	45.985	29.36	556	1468.0
940	955	236	34.693	27.833	27.836	32.542	36.997	41.541	45.985	29.36	571	1468.0
960	955	219	34.693	27.833	27.836	32.542	36.997	41.541	45.985	29.36	586	1468.0
980	955	202	34.693	27.833	27.836	32.542	36.997	41.541	45.985	29.36	601	1468.0
1000	955	185	34.693	27.833	27.836	32.542	36.997	41.541	45.985	29.36	616	1468.0
1020	955	168	34.693	27.833	27.836	32.542	36.997	41.541	45.985	29.36	631	1468.0
1040	955	151	34.693	27.833	27.836	32.542	36.997	41.541	45.985	29.36	646	1468.0
1060	955	134	34.693	27.833	27.836	32.542	36.997	41.541	45.985	29.36	661	1468.0
1080	955	117	34.693	27.833	27.836	32.542	36.997	41.541	45.985	29.36	676	1468.0
1100	955	100	34.693	27.833	27.836	32.542	36.997	41.541	45.985	29.36	691	1468.0
1120	955	83	34.693	27.833	27.836	32.542	36.997	41.541	45.985	29.36	706	1468.0
1140	955	66	34.693	27.833	27.836	32.542	36.997	41.541	45.985	29.36	721	1468.0
1160	955	49	34.693	27.833	27.836	32.542	36.997	41.541	45.985	29.36	736	1468.0
1180	955	32	34.693	27.833	27.836	32.542	36.997	41.541	45.985	29.36	751	1468.0
1200	955	15	34.693	27.833	27.836	32.542	36.997	41.541	45.985	29.36	766	1468.0
1220	955	-2	34.693	27.833	27.836	32.542	36.997	41.541	45.985	29.36	781	1468.0
1240	955	-19	34.693	27.833	27.836	32.542	36.997	41.541	45.985	29.36	796	1468.0
1260	955	-36	34.693	27.833	27.836	32.542	36.997	41.541	45.985	29.36	811	1468.0
1280	955	-53	34.693	27.833	27.836	32.542	36.997	41.541	45.985	29.36	826	1468.0
1300	955	-70	34.693	27.833	27.836	32.542	36.997	41.541	45.985	29.36	841	1468.0
1320	955	-87	34.693	27.833	27.836	32.542	36.997	41.541	45.985	29.36	856	1468.0
1340	955	-104	34.693	27.833	27.836	32.542	36.997	41.541	45.985	29.36	871	1468.0
1360	955	-121	34.693	27.833	27.836	32.542	36.997	41.541	45.985	29.36	886	1468.0
1380	955	-138	34.693	27.833	27.836	32.542	36.997	41.541	45.985	29.36	901	1468.0
1400	955	-155	34.693	27.833	27.836	32.542	36.997	41.541	45.985	29.36	916	1468.0
1420	955	-172	34.693	27.833	27.836	32.542	36.997	41.541	45.985	29.36	931	1468.0
1440	955	-189	34.693	27.833	27.836	32.542	36.997	41.541	45.985	29.36	946	1468.0
1460	955	-206	34.693	27.833	27.836	32.542	36.997	41.541	45.985	29.36	961	1468.0
1480	955	-223	34.693	27.833	27.836	32.542	36.997	41.541	45.985	29.36	976	1468.0

DE	TEMP	THETA	SAL	DXY	SIL	PO4	SGM-T	SGM-O	SGM-2	SGM-4	FLAG
17	0.48	0.48	34.200	7.78	61.7	01	27.46	27.46	36.78	45.66	A
100	0.19	0.19	34.200	7.78	48.0	01	27.56	27.56	36.92	45.83	A
150	0.03	0.03	34.200	7.78	34.3	01	27.63	27.63	36.96	45.84	A
200	0.06	0.06	34.200	7.78	20.6	01	27.71	27.71	36.98	45.81	A
250	0.08	0.08	34.200	7.78	7.9	01	27.76	27.76	36.99	45.80	A
300	0.06	0.06	34.200	7.78	4.9	01	27.79	27.79	36.97	45.80	A
350	0.04	0.04	34.200	7.78	2.0	01	27.80	27.80	36.97	45.80	A
400	0.03	0.03	34.200	7.78	1.0	01	27.80	27.80	36.97	45.80	A
450	0.02	0.02	34.200	7.78	0.5	01	27.80	27.80	36.97	45.80	A
500	0.01	0.01	34.200	7.78	0.2	01	27.80	27.80	36.97	45.80	A
550	0.00	0.00	34.200	7.78	0.1	01	27.80	27.80	36.97	45.80	A
600	0.00	0.00	34.200	7.78	0.0	01	27.80	27.80	36.97	45.80	A
650	0.00	0.00	34.200	7.78	0.0	01	27.80	27.80	36.97	45.80	A
700	0.00	0.00	34.200	7.78	0.0	01	27.80	27.80	36.97	45.80	A
750	0.00	0.00	34.200	7.78	0.0	01	27.80	27.80	36.97	45.80	A
800	0.00	0.00	34.200	7.78	0.0	01	27.80	27.80	36.97	45.80	A
850	0.00	0.00	34.200	7.78	0.0	01	27.80	27.80	36.97	45.80	A
900	0.00	0.00	34.200	7.78	0.0	01	27.80	27.80	36.97	45.80	A

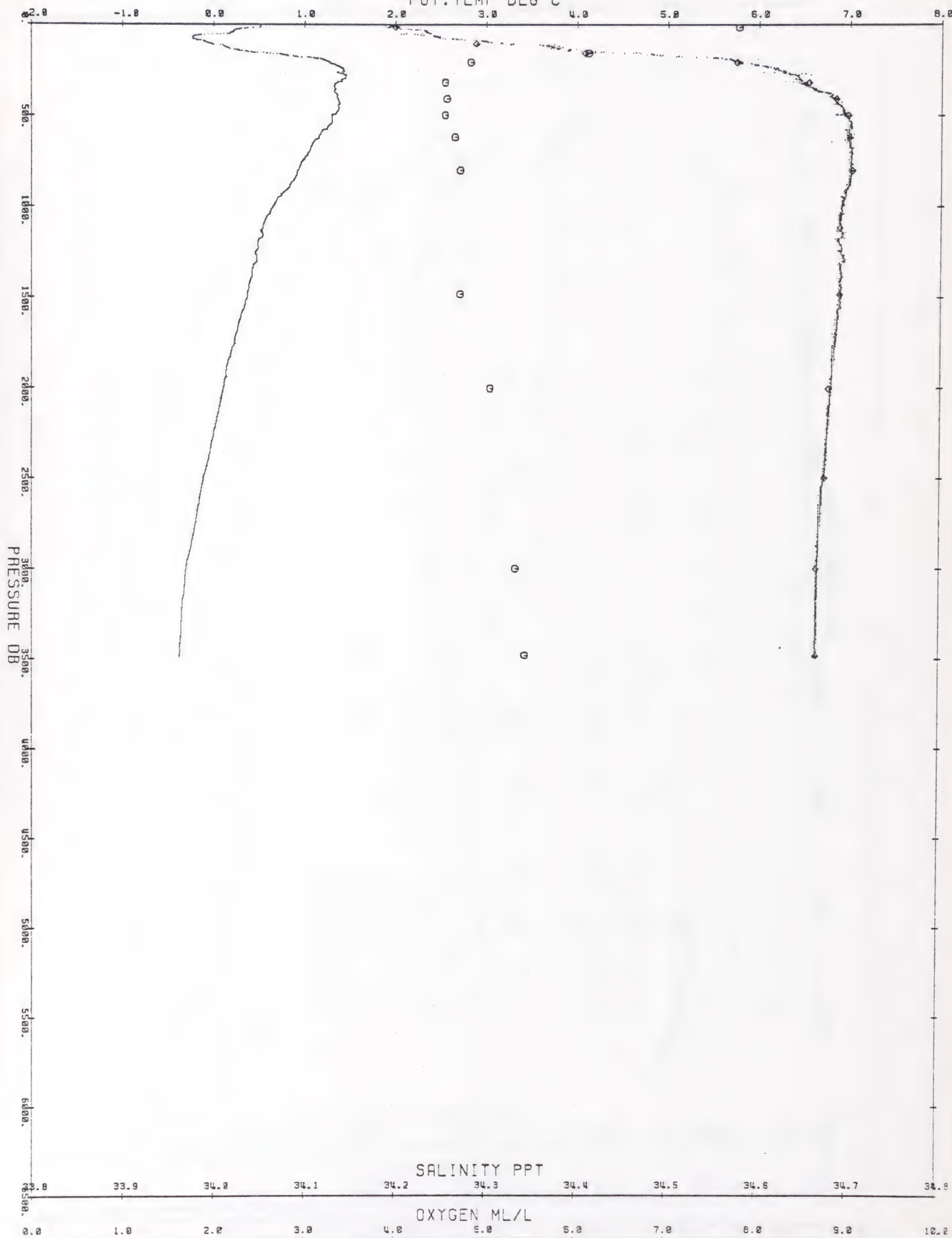
1011

ST 33

LAT -52.679

LONG 10.494

POT. TEMP DEG C





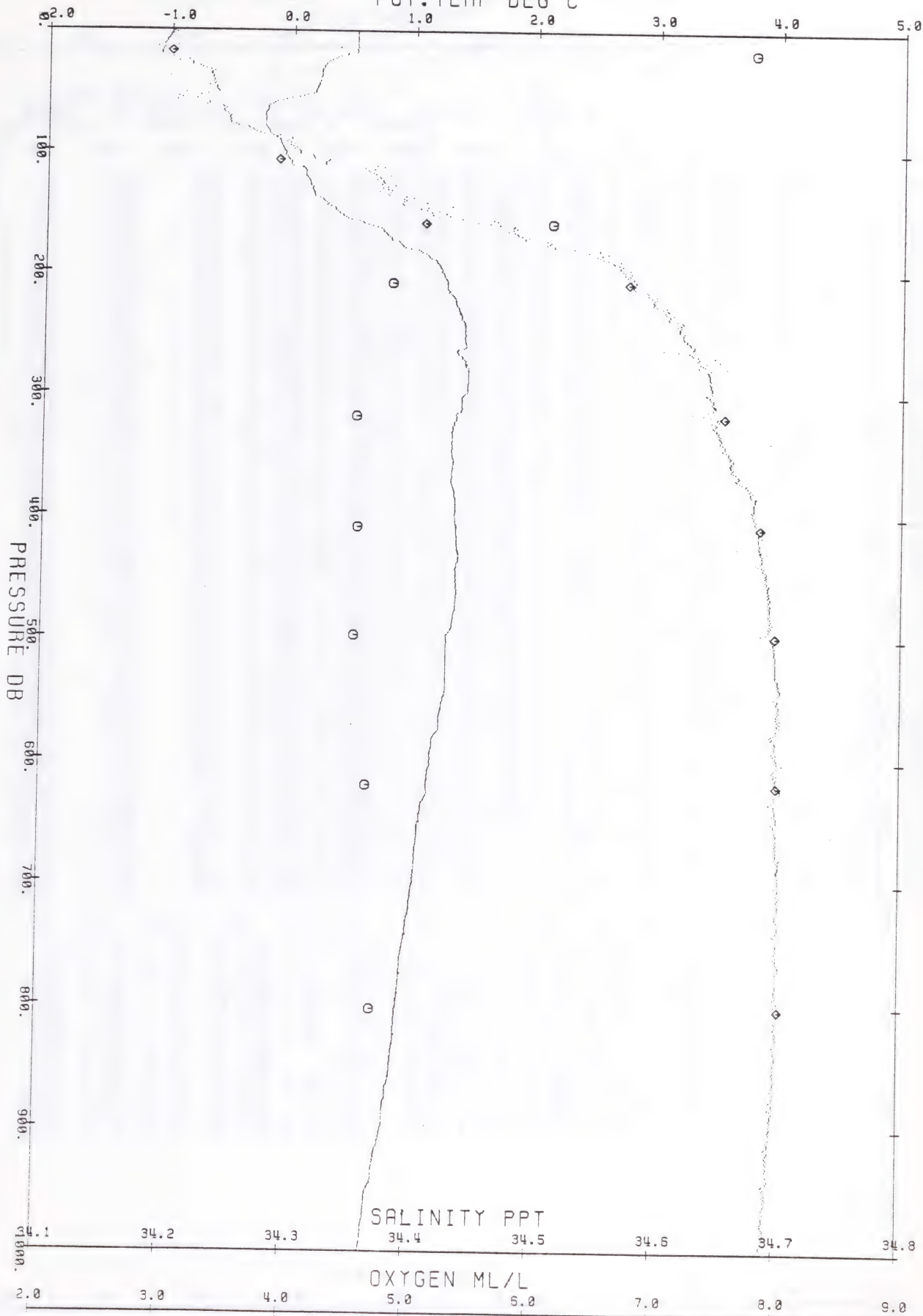
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ST 33

LAT -52.679

LONG 10.494

POT. TEMP DEG C

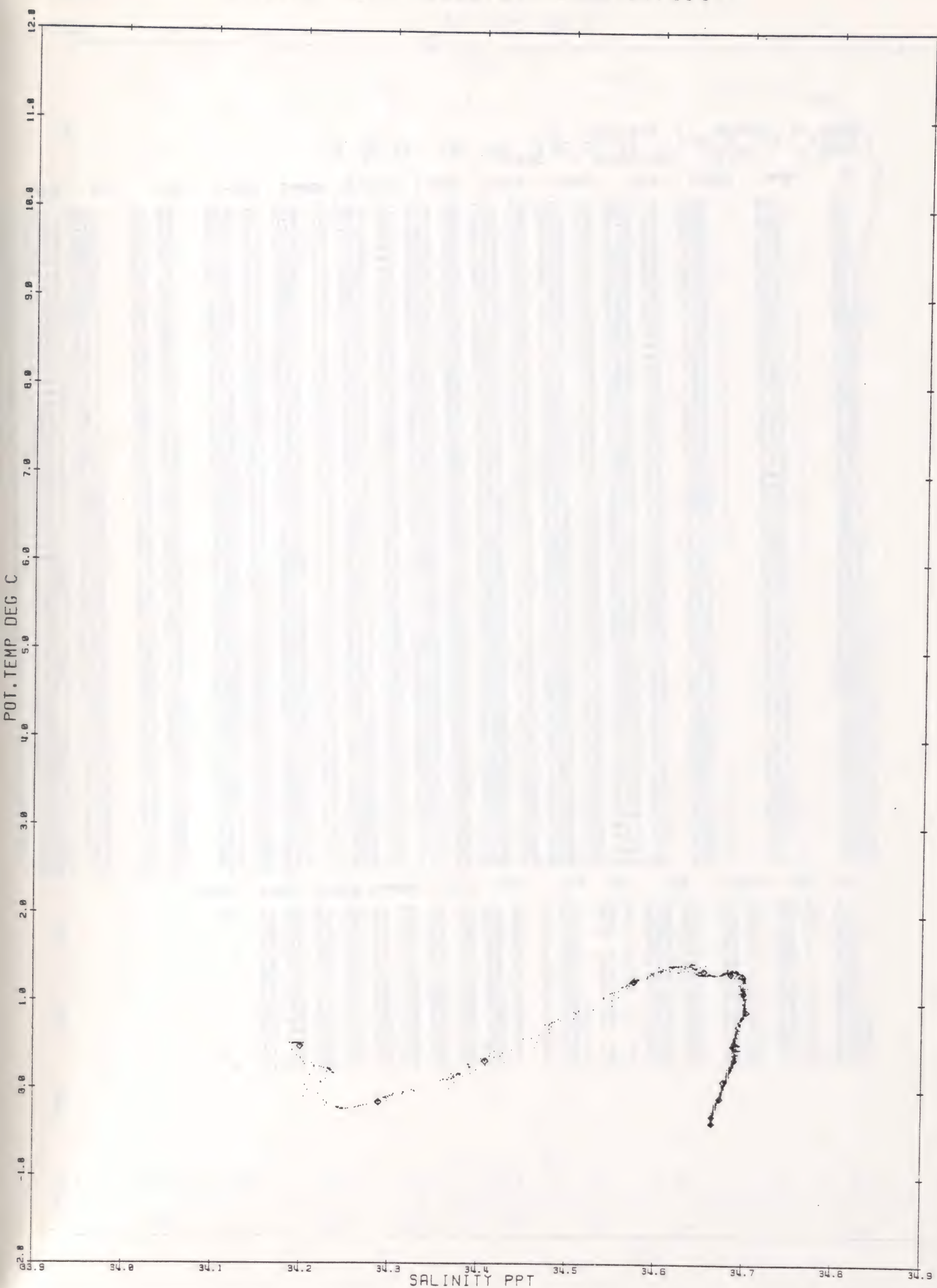


1011

ST 33

LAT -52.679

LONG 10.494





SHIP ID CRUISE 11 STATION 34  
START 53 7 00 S 11 13 20 E AT 551 76/12/ 9  
WIND = 9M/S COR. DEPTH = 3523M

DE	TEMP	THETA	SAL	SGM-T	SGM-O	SGM-1	SGM-2	SGM-3	SGM-4	AN	HZ	SVEL
0	486	486	34.168	27.430	27.430	33.149	36.753	41.246	45.632	65.94	.000	1450.4
20	464	464	34.193	27.453	27.453	33.173	36.777	41.270	45.636	63.75	.013	1450.6
40	464	464	34.201	27.462	27.462	33.184	36.790	41.286	45.674	62.91	.026	1450.6
60	464	464	34.215	27.482	27.482	33.208	36.819	41.319	45.712	60.98	.038	1450.6
80	464	464	34.237	27.511	27.511	33.244	36.861	41.366	45.765	58.16	.050	1449.7
100	464	464	34.248	27.523	27.523	33.258	36.876	41.383	45.783	57.00	.073	1449.9
120	464	464	34.273	27.545	27.545	33.281	36.900	41.409	45.810	55.90	.083	1449.9
140	464	464	34.336	27.587	27.587	33.311	36.932	41.435	45.832	50.00	.093	1449.9
160	464	464	34.419	27.631	27.631	33.344	36.950	41.440	45.824	46.96	.083	1451.4
180	464	464	34.439	27.640	27.640	33.358	36.951	41.438	45.814	46.30	.102	1451.4
200	464	464	34.500	27.684	27.684	33.393	36.951	41.441	45.809	42.34	.111	1451.4
220	464	464	34.586	27.707	27.707	33.427	36.972	41.433	45.793	40.40	.119	1451.4
240	464	464	34.607	27.714	27.714	33.441	36.972	41.433	45.789	39.99	.127	1451.4
260	464	464	34.619	27.721	27.721	33.456	36.976	41.436	45.790	39.00	.135	1451.4
280	464	464	34.627	27.727	27.727	33.466	36.983	41.442	45.797	38.76	.143	1451.4
300	464	464	34.642	27.739	27.739	33.475	36.995	41.455	45.809	37.70	.151	1451.4
320	464	464	34.650	27.746	27.746	33.481	36.995	41.460	45.814	37.00	.159	1451.4
340	464	464	34.659	27.752	27.752	33.488	36.997	41.467	45.821	36.66	.167	1451.4
360	464	464	34.669	27.760	27.760	33.495	36.997	41.467	45.821	36.66	.179	1451.4
380	464	464	34.675	27.766	27.766	33.500	36.997	41.467	45.821	36.66	.187	1451.4
400	464	464	34.675	27.766	27.766	33.500	36.997	41.467	45.821	36.66	.196	1451.4
420	464	464	34.687	27.778	27.778	33.500	36.997	41.467	45.821	36.66	.205	1451.4
440	464	464	34.690	27.782	27.782	33.500	36.997	41.467	45.821	36.66	.214	1451.4
460	464	464	34.693	27.788	27.788	33.500	36.997	41.467	45.821	36.66	.222	1451.4
480	464	464	34.691	27.793	27.793	33.500	36.997	41.467	45.821	36.66	.230	1451.4
500	464	464	34.698	27.800	27.800	33.500	36.997	41.467	45.821	36.66	.238	1451.4
520	464	464	34.708	27.810	27.810	33.500	36.997	41.467	45.821	36.66	.247	1451.4
540	464	464	34.705	27.815	27.815	33.500	36.997	41.467	45.821	36.66	.255	1451.4
560	464	464	34.703	27.820	27.820	33.500	36.997	41.467	45.821	36.66	.263	1451.4
580	464	464	34.700	27.822	27.822	33.500	36.997	41.467	45.821	36.66	.271	1451.4
600	464	464	34.700	27.822	27.822	33.500	36.997	41.467	45.821	36.66	.279	1451.4
620	464	464	34.700	27.822	27.822	33.500	36.997	41.467	45.821	36.66	.287	1451.4
640	464	464	34.700	27.822	27.822	33.500	36.997	41.467	45.821	36.66	.295	1451.4
660	464	464	34.700	27.822	27.822	33.500	36.997	41.467	45.821	36.66	.303	1451.4
680	464	464	34.693	27.837	27.837	33.500	36.997	41.467	45.821	36.66	.311	1451.4
700	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.319	1451.4
720	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.327	1451.4
740	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.335	1451.4
760	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.343	1451.4
780	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.351	1451.4
800	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.359	1451.4
820	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.367	1451.4
840	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.375	1451.4
860	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.383	1451.4
880	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.391	1451.4
900	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.399	1451.4
920	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.407	1451.4
940	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.415	1451.4
960	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.423	1451.4
980	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.431	1451.4
1000	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.439	1451.4
1020	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.447	1451.4
1040	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.455	1451.4
1060	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.463	1451.4
1080	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.471	1451.4
1100	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.479	1451.4
1120	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.487	1451.4
1140	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.495	1451.4
1160	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.503	1451.4
1180	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.511	1451.4
1200	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.519	1451.4
1220	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.527	1451.4
1240	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.535	1451.4
1260	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.543	1451.4
1280	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.551	1451.4
1300	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.559	1451.4
1320	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.567	1451.4
1340	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.575	1451.4
1360	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.583	1451.4
1380	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.591	1451.4
1400	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.599	1451.4
1420	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.607	1451.4
1440	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.615	1451.4
1460	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.623	1451.4
1480	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.631	1451.4
1500	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.639	1451.4
1520	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.647	1451.4
1540	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.655	1451.4
1560	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.663	1451.4
1580	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.671	1451.4
1600	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.679	1451.4
1620	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.687	1451.4
1640	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.695	1451.4
1660	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.703	1451.4
1680	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.711	1451.4
1700	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.719	1451.4
1720	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.727	1451.4
1740	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.735	1451.4
1760	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.743	1451.4
1780	464	464	34.689	27.841	27.841	33.500	36.997	41.467	45.821	36.66	.751	1451.4
1800	464	464	34.689	27.841	27.841							

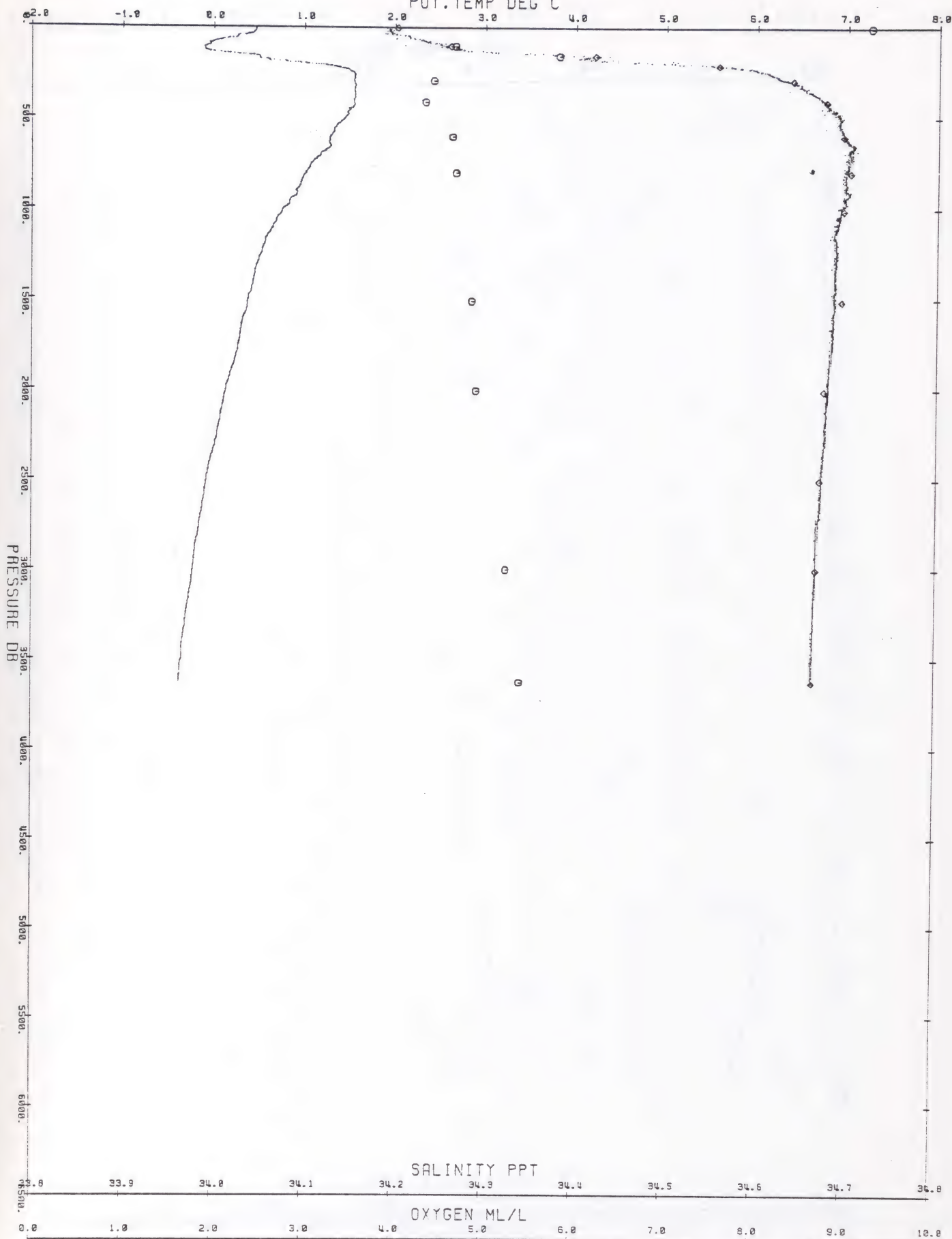
1011

ST 34

LAT -52.930

LONG 11.132

POT. TEMP DEG C





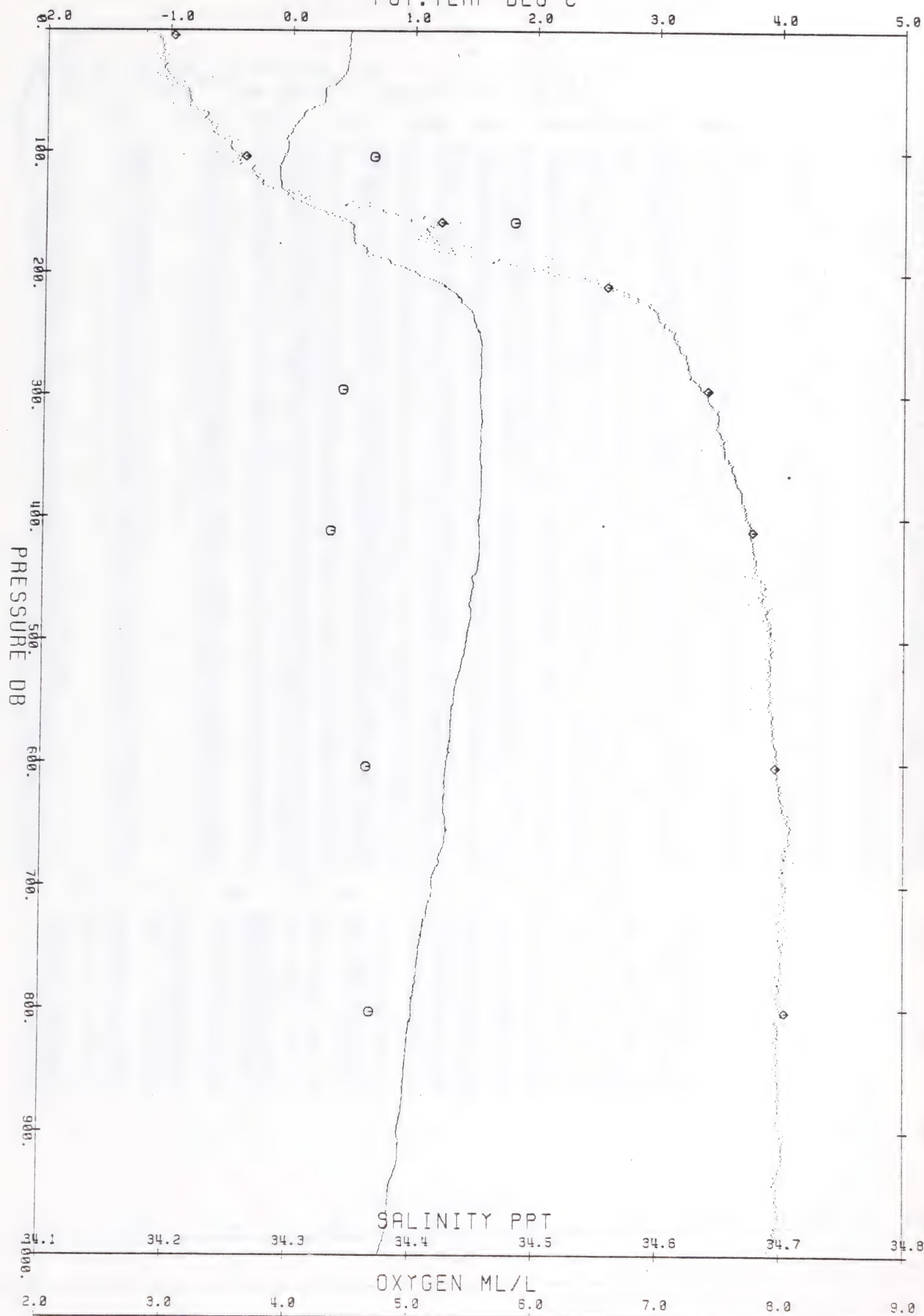
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ST 34

LAT -52.930

LONG 11.132

POT. TEMP DEG C

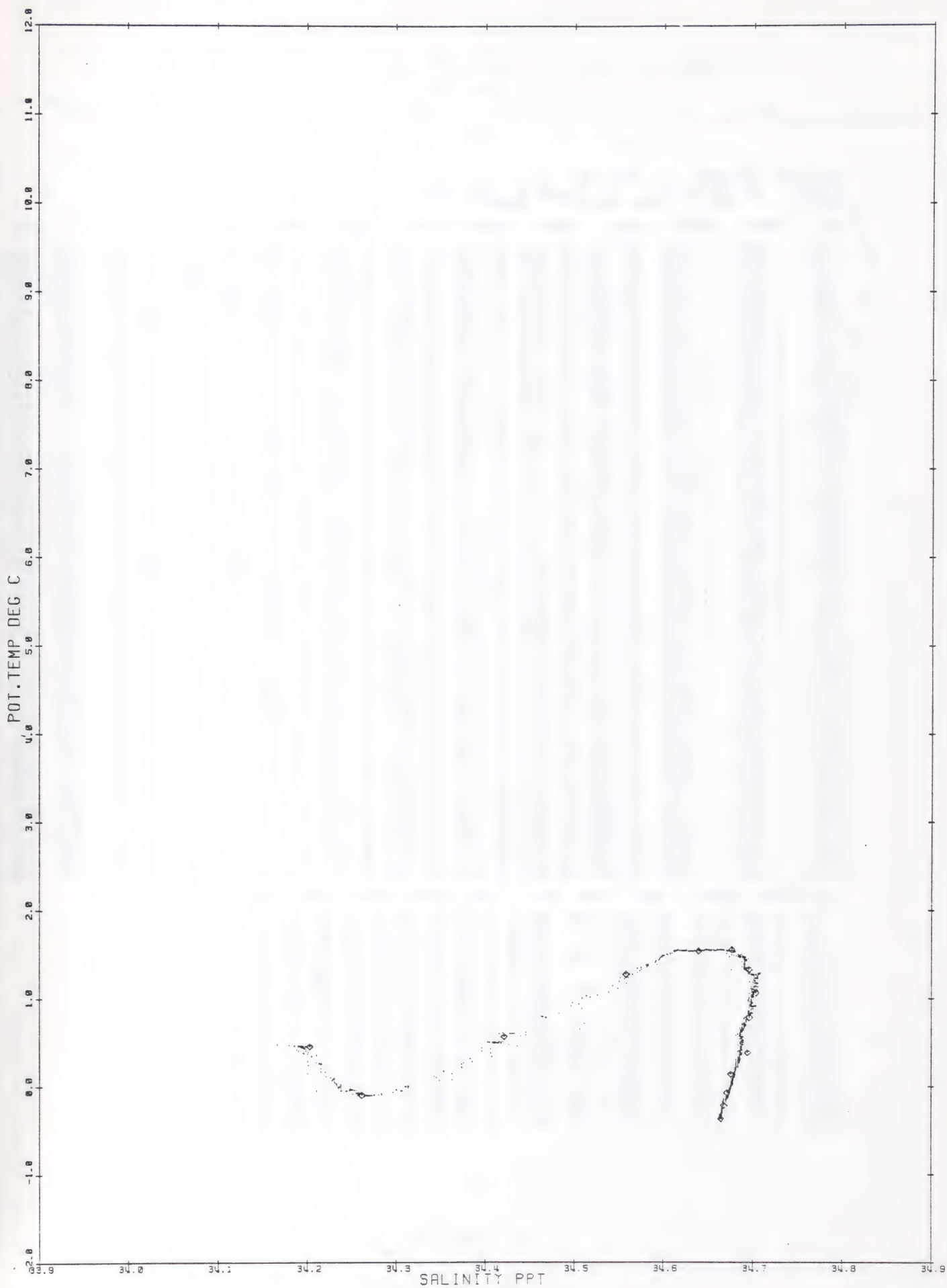


1011

ST 34

LAT -52.930

LONG 11.132





SHIP ID CRUISE 11 STATION 35  
 START 52 31.80 S 11 36.80 E AT 1800 76/12/ 9  
 WIND = 6M/S COR. DEPTH = 2989M

DE	TEMP	THETA	SAL	SGM-T	SGM-O	SGM-1	SGM-2	SGM-3	SGM-4	AN	HZ	SVEL
0	.974	.974	34.025	27.286	27.286	31.992	36.583	41.063	45.438	79.60	.000	1452.4
20	.839	.838	34.107	27.360	27.360	32.069	36.664	41.147	45.524	72.59	.015	1452.2
40	.771	.769	34.107	27.364	27.364	32.076	36.672	41.157	45.536	72.20	.030	1452.2
60	.404	.402	34.178	27.443	27.443	32.164	36.770	41.265	45.654	64.72	.043	1451.0
80	.221	.218	34.238	27.492	27.493	32.219	36.830	41.330	45.723	59.96	.056	1450.6
100	.428	.424	34.290	27.532	27.532	32.252	36.856	41.350	45.737	56.31	.067	1451.9
120	1.037	1.033	34.375	27.562	27.563	32.264	36.851	41.327	45.697	53.61	.078	1455.1
140	1.279	1.273	34.427	27.588	27.588	32.282	36.851	41.331	45.694	51.36	.089	1456.6
160	1.430	1.422	34.463	27.610	27.611	32.300	36.875	41.340	45.699	49.32	.099	1457.7
180	1.589	1.580	34.507	27.630	27.630	32.315	36.885	41.345	45.700	47.63	.109	1458.7
200	1.649	1.639	34.536	27.649	27.650	32.332	36.901	41.359	45.712	45.94	.118	1459.4
220	1.687	1.675	34.564	27.668	27.669	32.351	36.917	41.374	45.726	44.21	.127	1459.9
240	1.687	1.675	34.582	27.683	27.684	32.365	36.932	41.389	45.741	42.91	.136	1460.3
260	1.682	1.669	34.597	27.695	27.696	32.377	36.944	41.401	45.753	41.82	.144	1460.6
280	1.678	1.664	34.611	27.707	27.708	32.389	36.956	41.413	45.765	40.81	.153	1460.9
300	1.675	1.660	34.614	27.709	27.710	32.392	36.958	41.416	45.768	40.67	.161	1461.3
320	1.655	1.637	34.630	27.724	27.725	32.407	36.974	41.432	45.784	39.34	.171	1461.6
340	1.631	1.613	34.641	27.734	27.736	32.418	36.986	41.443	45.798	38.42	.180	1461.9
360	1.627	1.607	34.653	27.744	27.745	32.428	36.996	41.454	45.807	37.63	.190	1462.3
380	1.615	1.594	34.661	27.751	27.753	32.436	37.004	41.463	45.816	37.00	.199	1462.7
400	1.610	1.587	34.665	27.755	27.756	32.440	37.008	41.466	45.820	36.77	.208	1463.1
420	1.613	1.589	34.676	27.764	27.765	32.449	37.017	41.475	45.829	36.02	.218	1463.6
440	1.611	1.589	34.693	27.771	27.773	32.453	37.019	41.475	45.826	35.57	.227	1464.4
460	1.691	1.664	34.697	27.775	27.777	32.458	37.024	41.480	45.831	35.26	.236	1464.8
480	1.612	1.582	34.698	27.781	27.784	32.467	37.035	41.494	45.847	34.71	.245	1465.3
500	1.611	1.588	34.706	27.790	27.793	32.477	37.047	41.506	45.861	34.00	.254	1465.9
520	1.649	1.614	34.710	27.795	27.798	32.483	37.053	41.514	45.868	33.67	.263	1466.6
540	1.473	1.435	34.714	27.804	27.807	32.494	37.066	41.528	45.886	32.91	.272	1467.1
560	1.425	1.384	34.716	27.809	27.812	32.501	37.074	41.539	45.896	32.51	.281	1467.7
580	1.444	1.400	34.716	27.815	27.818	32.509	37.085	41.551	45.912	31.91	.290	1468.2
600	1.444	1.399	34.717	27.819	27.822	32.515	37.092	41.559	45.921	31.60	.300	1468.8
620	1.444	1.395	34.716	27.822	27.826	32.520	37.099	41.567	45.930	31.33	.309	1469.3
640	1.194	1.142	34.715	27.825	27.828	32.524	37.104	41.575	45.939	31.09	.318	1470.0
660	1.114	1.060	34.712	27.827	27.831	32.529	37.112	41.584	45.951	30.79	.327	1470.6
680	0.977	0.918	34.707	27.833	27.837	32.539	37.126	41.602	45.972	30.12	.336	1471.1
700	0.873	0.808	34.704	27.837	27.843	32.547	37.137	41.616	45.990	29.55	.345	1471.7
720	0.797	0.736	34.702	27.840	27.845	32.553	37.145	41.626	46.002	29.19	.354	1472.2
740	0.740	0.663	34.702	27.844	27.849	32.558	37.153	41.636	46.013	28.78	.363	1472.8
760	0.655	0.595	34.700	27.847	27.852	32.565	37.161	41.647	46.027	28.29	.372	1473.5
780	0.594	0.530	34.698	27.849	27.853	32.572	37.168	41.655	46.037	27.96	.381	1474.2
800	0.435	0.373	34.691	27.851	27.857	32.579	37.173	41.662	46.046	27.72	.390	1474.9
820	0.435	0.373	34.691	27.851	27.857	32.579	37.178	41.669	46.054	27.44	.399	1475.6
840	0.381	0.318	34.685	27.852	27.858	32.580	37.183	41.676	46.062	27.15	.408	1476.3
860	0.362	0.300	34.685	27.853	27.859	32.582	37.188	41.684	46.068	26.98	.417	1477.0
880	0.338	0.279	34.685	27.854	27.861	32.584	37.192	41.688	46.077	26.65	.426	1477.7
900	0.316	0.250	34.684	27.854	27.862	32.586	37.194	41.691	46.081	26.54	.435	1478.4
920	0.205	0.161	34.683	27.854	27.862	32.587	37.195	41.693	46.084	26.50	.444	1479.1
940	0.177	0.135	34.681	27.855	27.863	32.588	37.199	41.697	46.088	26.31	.453	1479.8
960	0.147	0.088	34.680	27.855	27.864	32.591	37.202	41.701	46.094	26.05	.462	1480.5
980	0.183	0.088	34.679	27.855	27.865	32.593	37.203	41.706	46.099	25.90	.471	1481.2
1000	0.117	0.065	34.678	27.857	27.866	32.595	37.209	41.710	46.105	25.90	.480	1481.9
918	0.078	0.078	34.675	27.859	27.869	32.600	37.214	41.718	46.115	24.90	.489	1482.6
							37.216	41.720	46.118	24.70	.498	1483.3

DE	TEMP	THETA	SAL	OXY	SIL	PO4	SGM-T	SGM-O	SGM-2	SGM-4	FLAG
16	0.78	0.78	34.130	7.62	53.7	0.05	27.38	27.38	36.69	45.55	A
65	0.031	0.031	34.210		59.3	0.10	27.47	27.47	36.81	45.69	
108	0.048	0.047	34.277		62.2	0.33	27.52	27.52	36.84	45.73	
163	1.500	1.449	34.478	6.33	72.0	0.05	27.61	27.61	36.97	45.69	
115	1.567	1.566	34.569		76.9	0.05	27.67	27.67	36.92	45.73	
325	1.564	1.560	34.596		79.4	0.05	27.71	27.71	36.96	45.77	
370	1.568	1.560	34.599	4.88	82.7	0.05	27.75	27.75	37.00	45.81	
448	1.568	1.564	34.599		85.5	0.05	27.77	27.77	37.02	45.83	
757	1.411	1.37	34.717		91.4	0.05	27.81	27.81	37.06	45.90	
1010	1.14	1.08	34.721	4.59	98.0	0.05	27.83	27.83	37.12	45.95	A
1237	0.00	0.00	34.714	4.64	104.3	0.05	27.85	27.85	37.15	46.00	
1479	0.00	0.00	34.704	4.75	109.4	0.05	27.86	27.86	37.17	46.03	A
1747	0.00	0.00	34.691	4.74	112.8	0.05	27.87	27.87	37.18	46.05	
2035	0.00	0.00	34.689	5.10	114.6	0.05	27.87	27.87	37.19	46.07	
2304	0.00	0.00	34.686		114.6	0.05	27.87	27.87	37.19	46.08	
2645	0.00	0.00	34.680	4.48	115.9	0.05	27.87	27.87	37.20	46.09	A
2969	0.00	0.00	34.675	5.08	116.5	0.05	27.86	27.86	37.22	46.10	A
308	0.11	-0.07	34.675	5.08	116.5	0.05	27.86	27.86	37.22	46.12	A

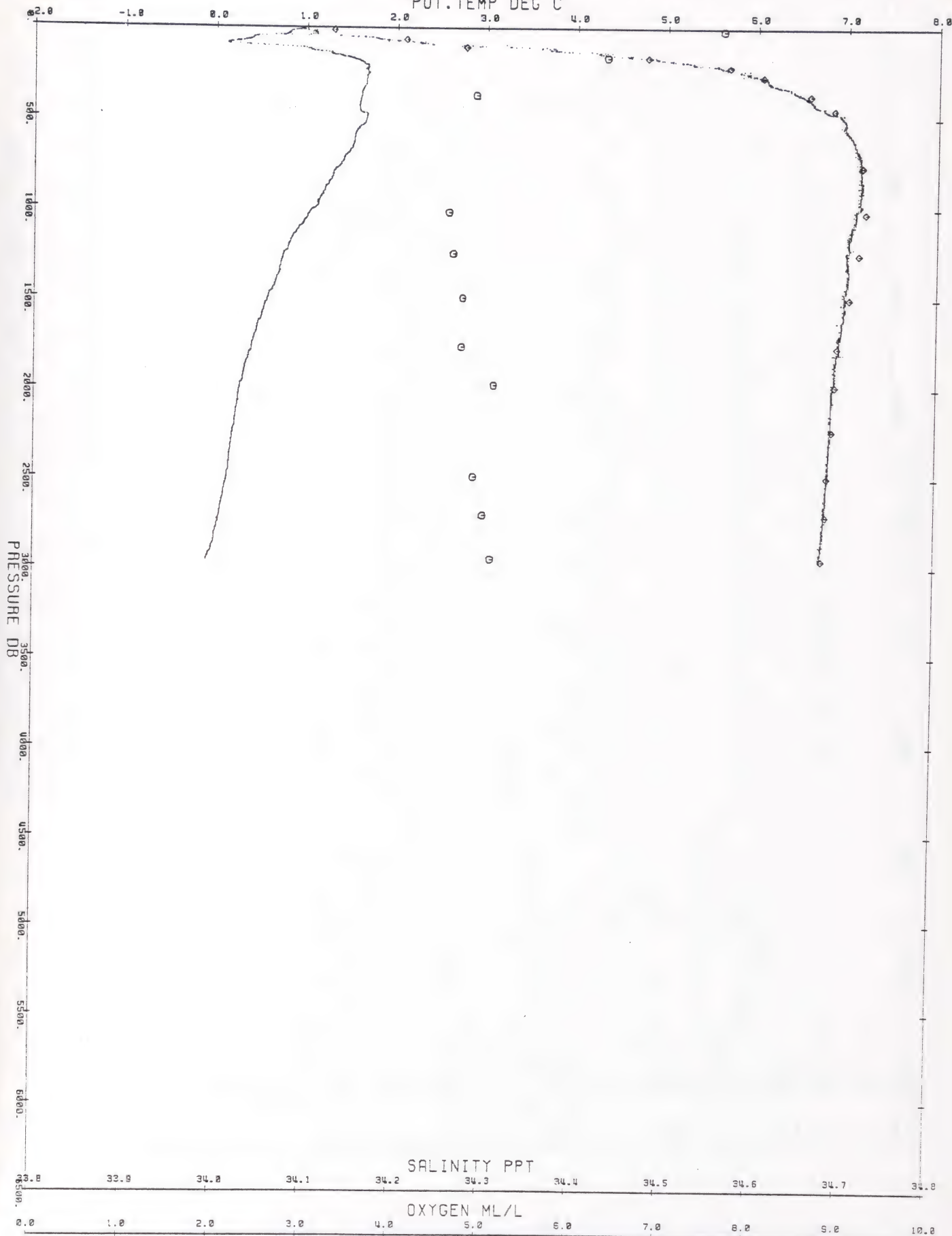
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ST 35

LAT -51.682

LONG 11.368

POT. TEMP DEG C





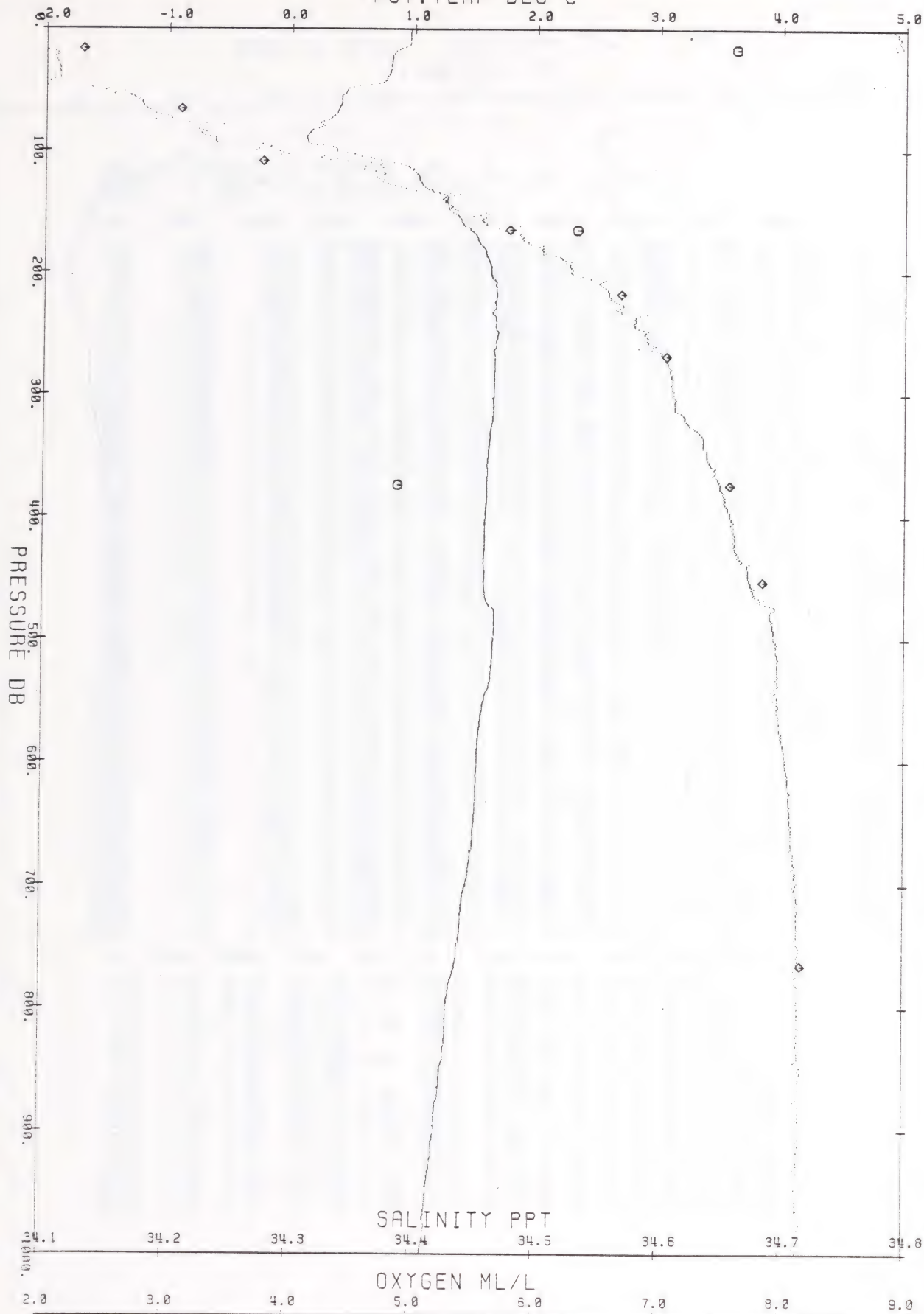
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ST 35

LAT -51.682

LONG 11.368

POT. TEMP DEG C

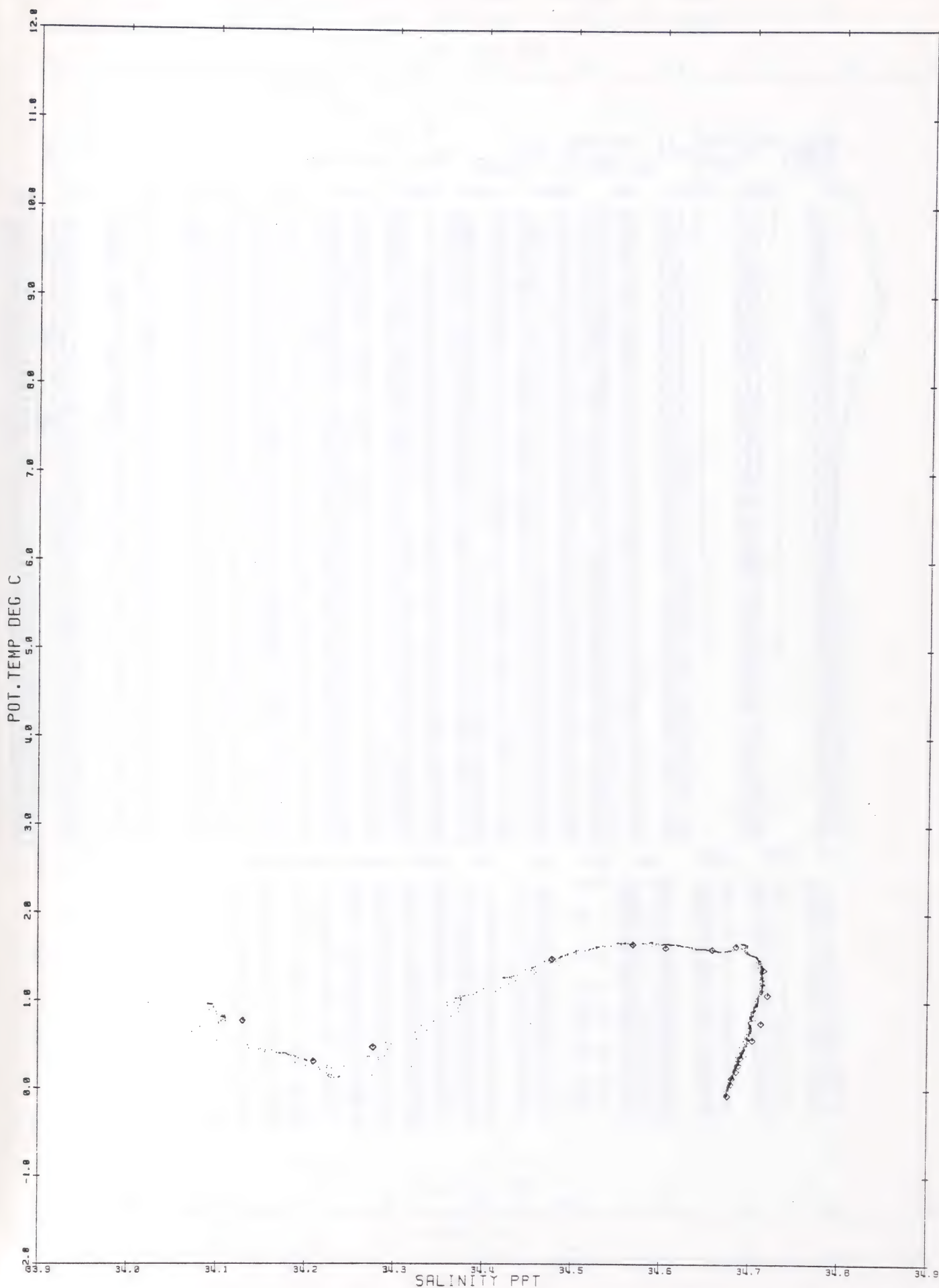


1011

ST 35

LAT -51.682

LONG 11.368





SHIP ID CRUISE 11 STATION 36  
 START 51 53.70 S 11 55.40 E AT 300 76/12/10  
 WIND = 12M/S COR. DEPTH = 2887M

DE	TEMP	THETA	SAL	SGM-T	SGM-0	SGM-1	SGM-2	SGM-3	SGM-4	AN	HZ	SVEL
0	1.173	1.173	33.923	27.199	27.199	31.900	36.486	40.962	45.332	87.81	000	1453.1
20	1.151	1.150	33.959	27.221	27.221	31.922	36.509	40.985	45.356	87.79	017	1453.4
40	1.129	1.127	33.959	27.223	27.223	31.923	36.513	40.989	45.360	87.62	035	1453.6
60	1.106	1.104	33.975	27.245	27.245	31.953	36.544	41.025	45.401	87.48	051	1453.9
80	1.083	1.081	34.034	27.314	27.314	32.031	36.632	41.123	45.506	87.32	067	1454.1
100	1.060	1.058	34.088	27.371	27.371	32.095	36.703	41.199	45.589	87.17	082	1454.4
120	1.037	1.035	34.112	27.394	27.394	32.119	36.727	41.223	45.616	87.02	096	1454.7
140	1.014	1.012	34.171	27.447	27.447	32.174	36.786	41.286	45.679	86.87	110	1455.0
160	0.991	0.989	34.213	27.478	27.478	32.204	36.814	41.312	45.704	86.72	124	1455.3
180	0.968	0.966	34.286	27.514	27.514	32.288	36.885	41.385	45.769	86.57	138	1455.6
200	0.945	0.943	34.361	27.559	27.559	32.380	36.955	41.455	45.832	86.42	152	1455.9
220	0.922	0.920	34.435	27.591	27.591	32.480	37.025	41.525	45.894	86.27	166	1456.2
240	0.899	0.897	34.470	27.611	27.611	32.580	37.095	41.595	45.956	86.12	180	1456.5
260	0.876	0.874	34.517	27.635	27.635	32.680	37.165	41.665	46.018	85.97	194	1456.8
280	0.853	0.851	34.551	27.657	27.657	32.780	37.235	41.735	46.079	85.82	208	1457.1
300	0.830	0.828	34.587	27.678	27.678	32.880	37.305	41.805	46.141	85.67	222	1457.4
320	0.807	0.805	34.607	27.691	27.691	32.980	37.375	41.875	46.202	85.52	236	1457.7
340	0.784	0.782	34.621	27.702	27.702	33.080	37.445	41.945	46.264	85.37	250	1458.0
360	0.761	0.759	34.631	27.710	27.710	33.180	37.515	42.015	46.325	85.22	264	1458.3
380	0.738	0.736	34.643	27.718	27.718	33.280	37.585	42.085	46.387	85.07	278	1458.6
400	0.715	0.713	34.649	27.723	27.723	33.380	37.655	42.155	46.448	84.92	292	1458.9
420	0.692	0.690	34.655	27.730	27.730	33.480	37.725	42.225	46.509	84.77	306	1459.2
440	0.669	0.667	34.673	27.741	27.741	33.580	37.795	42.295	46.570	84.62	320	1459.5
460	0.646	0.644	34.679	27.747	27.747	33.680	37.865	42.365	46.631	84.47	334	1459.8
480	0.623	0.621	34.687	27.758	27.758	33.780	37.935	42.435	46.692	84.32	348	1460.1
500	0.600	0.598	34.701	27.768	27.768	33.880	38.005	42.505	46.753	84.17	362	1460.4
520	0.577	0.575	34.711	27.779	27.779	33.980	38.075	42.575	46.814	84.02	376	1460.7
540	0.554	0.552	34.714	27.785	27.785	34.080	38.145	42.645	46.875	83.87	390	1461.0
560	0.531	0.529	34.718	27.793	27.793	34.180	38.215	42.715	46.936	83.72	404	1461.3
580	0.508	0.506	34.723	27.799	27.799	34.280	38.285	42.785	46.997	83.57	418	1461.6
600	0.485	0.483	34.735	27.803	27.803	34.380	38.355	42.855	47.058	83.42	432	1461.9
620	0.462	0.460	34.735	27.811	27.811	34.480	38.425	42.925	47.119	83.27	446	1462.2
640	0.439	0.437	34.735	27.814	27.814	34.580	38.495	42.995	47.180	83.12	460	1462.5
660	0.416	0.414	34.735	27.821	27.821	34.680	38.565	43.065	47.241	82.97	474	1462.8
680	0.393	0.391	34.735	27.821	27.821	34.780	38.635	43.135	47.302	82.82	488	1463.1
700	0.370	0.368	34.735	27.821	27.821	34.880	38.705	43.205	47.363	82.67	502	1463.4
720	0.347	0.345	34.735	27.821	27.821	34.980	38.775	43.275	47.424	82.52	516	1463.7
740	0.324	0.322	34.735	27.821	27.821	35.080	38.845	43.345	47.485	82.37	530	1464.0
760	0.301	0.299	34.735	27.821	27.821	35.180	38.915	43.415	47.546	82.22	544	1464.3
780	0.278	0.276	34.735	27.821	27.821	35.280	38.985	43.485	47.607	82.07	558	1464.6
800	0.255	0.253	34.735	27.821	27.821	35.380	39.055	43.555	47.668	81.92	572	1464.9
820	0.232	0.230	34.735	27.821	27.821	35.480	39.125	43.625	47.729	81.77	586	1465.2
840	0.209	0.207	34.735	27.821	27.821	35.580	39.195	43.695	47.790	81.62	600	1465.5
860	0.186	0.184	34.735	27.821	27.821	35.680	39.265	43.765	47.851	81.47	614	1465.8
880	0.163	0.161	34.735	27.821	27.821	35.780	39.335	43.835	47.912	81.32	628	1466.1
900	0.140	0.138	34.735	27.821	27.821	35.880	39.405	43.905	47.973	81.17	642	1466.4
920	0.117	0.115	34.735	27.821	27.821	35.980	39.475	43.975	48.034	81.02	656	1466.7
940	0.094	0.092	34.735	27.821	27.821	36.080	39.545	44.045	48.095	80.87	670	1467.0
960	0.071	0.069	34.735	27.821	27.821	36.180	39.615	44.115	48.156	80.72	684	1467.3
980	0.048	0.046	34.735	27.821	27.821	36.280	39.685	44.185	48.217	80.57	698	1467.6
1000	0.025	0.023	34.735	27.821	27.821	36.380	39.755	44.255	48.278	80.42	712	1467.9

DE	TEMP	THETA	SAL	OXY	SIL	PO4	SGM-T	SGM-0	SGM-2	SGM-4	FLAG
16	1.113	1.112	33.960	7.69	50.00	07	27.323	27.323	36.511	45.336	
100	0.980	0.978	33.960	7.69	50.00	07	27.323	27.323	36.511	45.336	
200	0.847	0.845	33.960	7.69	50.00	07	27.323	27.323	36.511	45.336	
300	0.714	0.712	33.960	7.69	50.00	07	27.323	27.323	36.511	45.336	
400	0.581	0.579	33.960	7.69	50.00	07	27.323	27.323	36.511	45.336	
500	0.448	0.446	33.960	7.69	50.00	07	27.323	27.323	36.511	45.336	
600	0.315	0.313	33.960	7.69	50.00	07	27.323	27.323	36.511	45.336	
700	0.182	0.180	33.960	7.69	50.00	07	27.323	27.323	36.511	45.336	
800	0.049	0.047	33.960	7.69	50.00	07	27.323	27.323	36.511	45.336	
900	0.000	0.000	33.960	7.69	50.00	07	27.323	27.323	36.511	45.336	
1000	0.000	0.000	33.960	7.69	50.00	07	27.323	27.323	36.511	45.336	
1100	0.000	0.000	33.960	7.69	50.00	07	27.323	27.323	36.511	45.336	
1200	0.000	0.000	33.960	7.69	50.00	07	27.323	27.323	36.511	45.336	
1300	0.000	0.000	33.960	7.69	50.00	07	27.323	27.323	36.511	45.336	
1400	0.000	0.000	33.960	7.69	50.00	07	27.323	27.323	36.511	45.336	
1500	0.000	0.000	33.960	7.69	50.00	07	27.323	27.323	36.511	45.336	
1600	0.000	0.000	33.960	7.69	50.00	07	27.323	27.323	36.511	45.336	
1700	0.000	0.000	33.960	7.69	50.00	07	27.323	27.323	36.511	45.336	
1800	0.000	0.000	33.960	7.69	50.00	07	27.323	27.323	36.511	45.336	
1900	0.000	0.000	33.960	7.69	50.00	07	27.323	27.323	36.511	45.336	
2000	0.000	0.000	33.960	7.69	50.00	07	27.323	27.323	36.511	45.336	
2100	0.000	0.000	33.960	7.69	50.00	07	27.323	27.323	36.511	45.336	
2200	0.000	0.000	33.960	7.69	50.00	07	27.323	27.323	36.511	45.336	
2300	0.000	0.000	33.960	7.69	50.00	07	27.323	27.323	36.511	45.336	
2400	0.000	0.000	33.960	7.69	50.00	07	27.323	27.323	36.511	45.336	
2500	0.000	0.000	33.960	7.69	50.00	07	27.323	27.323	36.511	45.336	
2600	0.000	0.000	33.960	7.69	50.00	07	27.323	27.323	36.511	45.336	
2700	0.000	0.000	33.960	7.69	50.00	07	27.323	27.323	36.511	45.336	
2800	0.000	0.000	33.960	7.69	50.00	07	27.323	27.323	36.511	45.336	
2900	0.000	0.000	33.960	7.69	50.00	07	27.323	27.323	36.511	45.336	
3000	0.000	0.000	33.960	7.69	50.00	07	27.323	27.323	36.511	45.336	
3100	0.000	0.000	33.960	7.69	50.00	07	27.323	27.323	36.511	45.336	
3200	0.000	0.000	33.960	7.69	50.00	07	27.323	27.323	36.511	45.336	
3300	0.000	0.000	33.960	7.69	50.00	07	27.323	27.323	36.511	45.336	
3400	0.000	0.000	33.960	7.69	50.00	07	27.323	27.323	36.511	45.336	
3500	0.000	0.000	33.960	7.69	50.00	07	27.323	27.323	36.511	45.336	
3600	0.000	0.000	33.960	7.69	50.00	07	27.323	27.323	36.511	45.336	
3700	0.000	0.000	33.960	7.69	50.00	07	27.323	27.323	36.511	45.336	
3800	0.000	0.000	33.960	7.69	50.00	07	27.323	27.323	36.511	45.336	
3900	0.000	0.000	33.960	7.69	50.00	07	27.323	27.323	36.511	45.336	
4000	0.000	0.000	33.960	7.69	50.00	07	27.323	27.323	36.511	45.336	
4100	0.000	0.000	33.960	7.69	50.00	07	27.323	27.323	36.511	45.336	

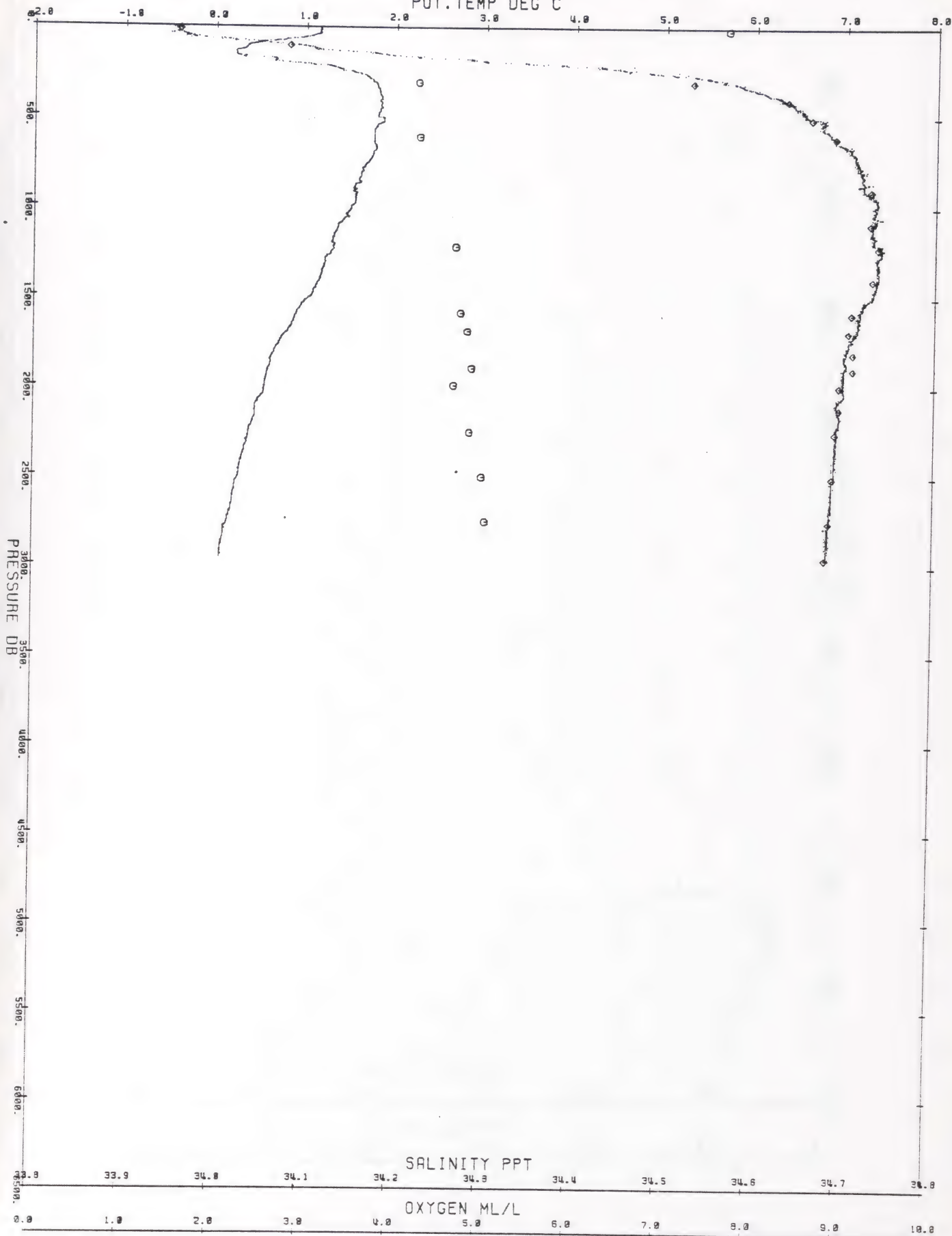
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ST 36

LAT -50.463

LONG 11.554

POT. TEMP DEG C





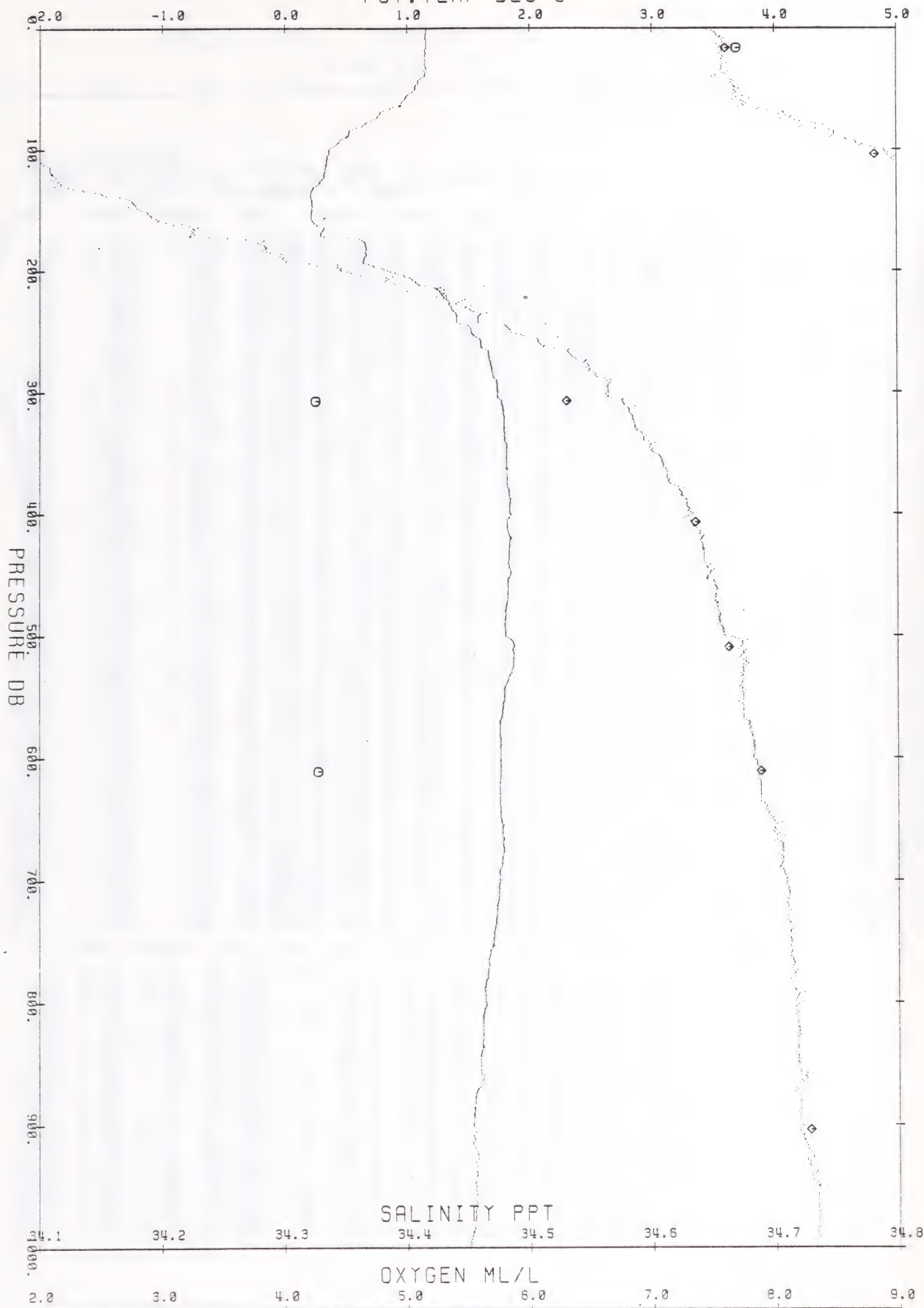
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ST 36

LAT -50.463

LONG 11.554

POT. TEMP DEG C

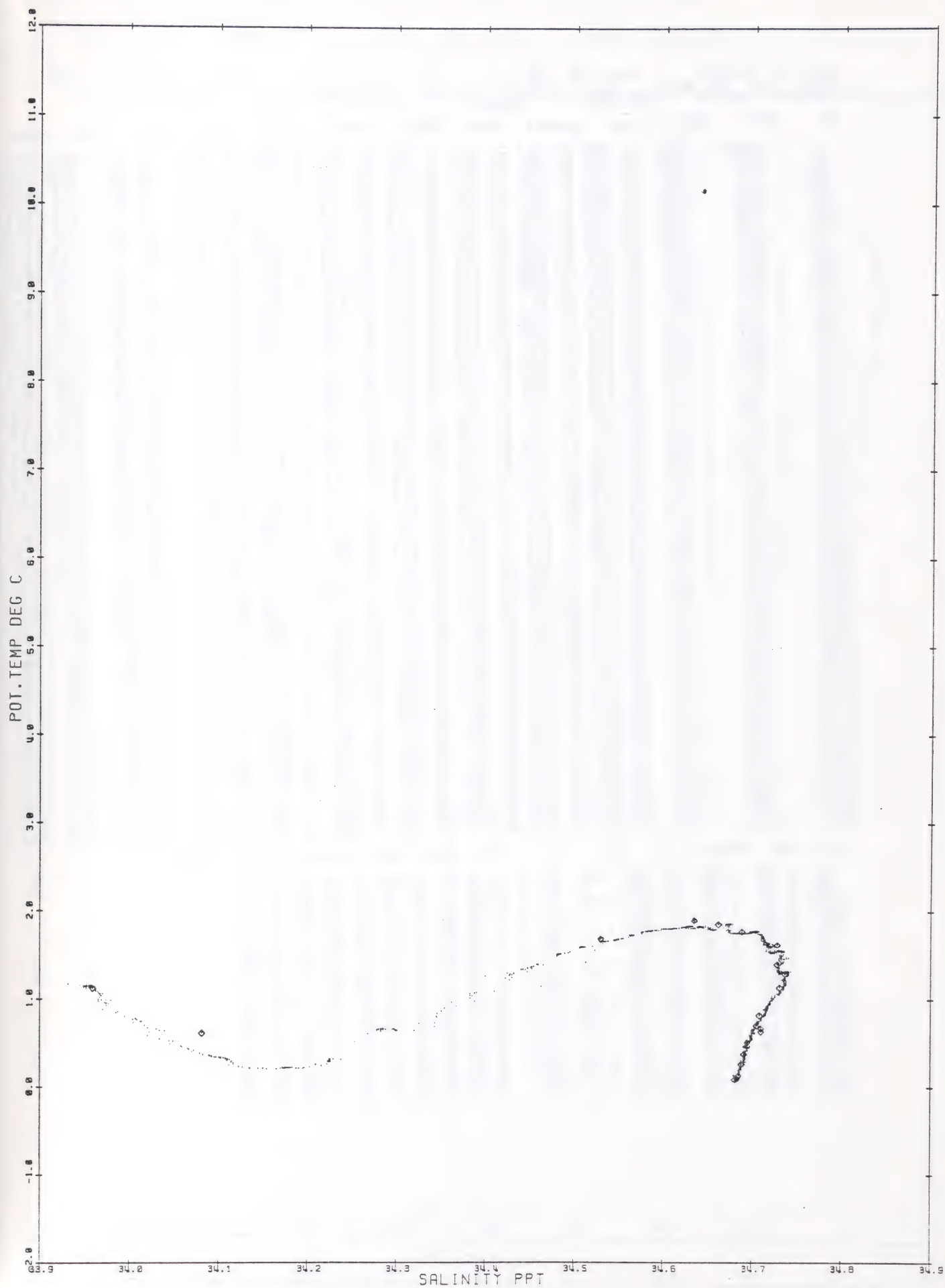


I011

ST 36

LAT -50.463

LONG 11.554





SHIP ID CRUISE 11 STATION 37  
START 51 45.50 S 12 4.30 E AT 815 76/12/10  
WIND = 12M/S COR. DEPTH = 3880M

DE	TEMP	THETA	SAL	SGM-T	SGM-O	SGM-1	SGM-2	SGM-3	SGM-4	AN	HZ	SVEL
0	1.080	1.080	33.948	27.217	27.217	31.921	36.510	40.988	45.360	86.10	.000	1452.7
20	1.084	1.083	33.957	27.224	27.224	31.928	36.516	40.993	45.367	85.46	.017	1453.1
40	.939	.937	33.983	27.254	27.254	31.961	36.554	41.035	45.411	82.68	.034	1453.2
60	.637	.634	34.042	27.320	27.320	31.966	36.636	41.126	45.509	76.39	.050	1453.1
80	.485	.482	34.058	27.341	27.341	31.962	36.666	41.160	45.547	74.34	.063	1453.1
100	.323	.319	34.096	27.381	27.381	31.962	36.715	41.213	45.604	70.52	.079	1453.1
120	.318	.313	34.140	27.416	27.417	31.962	36.730	41.248	45.639	67.19	.093	1453.1
140	.414	.408	34.193	27.436	27.436	31.962	36.783	41.327	45.666	63.46	.106	1453.1
160	.549	.543	34.239	27.483	27.483	31.962	36.802	41.392	45.676	60.97	.119	1453.1
180	.859	.851	34.315	27.525	27.525	31.962	36.825	41.437	45.682	57.12	.131	1453.1
200	1.219	1.210	34.362	27.540	27.541	31.962	36.819	41.490	45.686	55.97	.142	1453.1
220	1.431	1.420	34.409	27.562	27.563	31.962	36.823	41.537	45.688	54.03	.153	1453.1
240	1.877	1.864	34.494	27.597	27.599	31.962	36.837	41.579	45.688	51.07	.163	1453.1
260	1.979	1.964	34.520	27.611	27.612	31.962	36.845	41.620	45.688	49.94	.173	1453.1
280	1.963	1.947	34.545	27.632	27.633	31.962	36.845	41.657	45.688	48.08	.183	1453.1
300	1.953	1.936	34.557	27.642	27.643	31.962	36.845	41.690	45.688	47.16	.193	1453.1
320	1.841	1.824	34.565	27.657	27.658	31.962	36.845	41.711	45.688	44.98	.204	1453.1
340	1.808	1.800	34.588	27.675	27.677	31.962	36.845	41.730	45.688	42.87	.216	1453.1
360	1.817	1.808	34.593	27.681	27.682	31.962	36.845	41.743	45.688	40.80	.227	1453.1
380	1.809	1.785	34.634	27.715	27.717	31.962	36.845	41.761	45.688	38.85	.237	1453.1
400	1.791	1.772	34.644	27.724	27.726	31.962	36.845	41.771	45.688	36.85	.247	1453.1
420	1.777	1.763	34.651	27.730	27.732	31.962	36.845	41.781	45.688	34.90	.255	1453.1
440	1.773	1.759	34.664	27.741	27.744	31.962	36.845	41.790	45.688	33.06	.265	1453.1
460	1.762	1.746	34.671	27.748	27.750	31.962	36.845	41.800	45.688	31.38	.274	1453.1
480	1.750	1.735	34.680	27.756	27.758	31.962	36.845	41.807	45.688	29.76	.283	1453.1
500	1.739	1.722	34.691	27.764	27.767	31.962	36.845	41.815	45.688	28.17	.292	1453.1
520	1.722	1.704	34.698	27.770	27.773	31.962	36.845	41.821	45.688	26.65	.302	1453.1
540	1.704	1.702	34.710	27.780	27.784	31.962	36.845	41.828	45.688	25.17	.312	1453.1
560	1.702	1.702	34.718	27.787	27.790	31.962	36.845	41.834	45.688	23.74	.322	1453.1
580	1.684	1.684	34.723	27.796	27.800	31.962	36.845	41.840	45.688	22.35	.332	1453.1
600	1.666	1.666	34.723	27.804	27.808	31.962	36.845	41.846	45.688	21.00	.342	1453.1
620	1.648	1.648	34.723	27.806	27.811	31.962	36.845	41.851	45.688	19.68	.352	1453.1
640	1.631	1.631	34.723	27.818	27.823	31.962	36.845	41.857	45.688	18.39	.362	1453.1
660	1.612	1.612	34.723	27.825	27.830	31.962	36.845	41.863	45.688	17.14	.372	1453.1
680	1.594	1.594	34.723	27.830	27.835	31.962	36.845	41.869	45.688	15.92	.382	1453.1
700	1.577	1.577	34.723	27.836	27.841	31.962	36.845	41.875	45.688	14.74	.392	1453.1
720	1.560	1.560	34.723	27.840	27.846	31.962	36.845	41.881	45.688	13.60	.402	1453.1
740	1.543	1.543	34.723	27.843	27.849	31.962	36.845	41.887	45.688	12.50	.412	1453.1
760	1.527	1.527	34.723	27.847	27.853	31.962	36.845	41.893	45.688	11.44	.422	1453.1
780	1.511	1.511	34.723	27.847	27.854	31.962	36.845	41.899	45.688	10.41	.432	1453.1
800	1.495	1.495	34.723	27.847	27.854	31.962	36.845	41.905	45.688	9.42	.442	1453.1
820	1.479	1.479	34.723	27.847	27.854	31.962	36.845	41.911	45.688	8.46	.452	1453.1
840	1.463	1.463	34.723	27.847	27.854	31.962	36.845	41.917	45.688	7.53	.462	1453.1
860	1.447	1.447	34.723	27.847	27.854	31.962	36.845	41.923	45.688	6.63	.472	1453.1
880	1.431	1.431	34.723	27.847	27.854	31.962	36.845	41.929	45.688	5.76	.482	1453.1
900	1.415	1.415	34.723	27.847	27.854	31.962	36.845	41.935	45.688	4.92	.492	1453.1
920	1.399	1.399	34.723	27.847	27.854	31.962	36.845	41.941	45.688	4.10	.502	1453.1
940	1.383	1.383	34.723	27.847	27.854	31.962	36.845	41.947	45.688	3.30	.512	1453.1
960	1.367	1.367	34.723	27.847	27.854	31.962	36.845	41.953	45.688	2.52	.522	1453.1
980	1.351	1.351	34.723	27.847	27.854	31.962	36.845	41.959	45.688	1.76	.532	1453.1
1000	1.335	1.335	34.723	27.847	27.854	31.962	36.845	41.965	45.688	1.02	.542	1453.1
1020	1.319	1.319	34.723	27.847	27.854	31.962	36.845	41.971	45.688	0.30	.552	1453.1
1040	1.303	1.303	34.723	27.847	27.854	31.962	36.845	41.977	45.688	-0.40	.562	1453.1
1060	1.287	1.287	34.723	27.847	27.854	31.962	36.845	41.983	45.688	-1.10	.572	1453.1
1080	1.271	1.271	34.723	27.847	27.854	31.962	36.845	41.989	45.688	-1.80	.582	1453.1
1100	1.255	1.255	34.723	27.847	27.854	31.962	36.845	41.995	45.688	-2.50	.592	1453.1
1120	1.239	1.239	34.723	27.847	27.854	31.962	36.845	42.001	45.688	-3.20	.602	1453.1
1140	1.223	1.223	34.723	27.847	27.854	31.962	36.845	42.007	45.688	-3.90	.612	1453.1
1160	1.207	1.207	34.723	27.847	27.854	31.962	36.845	42.013	45.688	-4.60	.622	1453.1
1180	1.191	1.191	34.723	27.847	27.854	31.962	36.845	42.019	45.688	-5.30	.632	1453.1
1200	1.175	1.175	34.723	27.847	27.854	31.962	36.845	42.025	45.688	-6.00	.642	1453.1
1220	1.159	1.159	34.723	27.847	27.854	31.962	36.845	42.031	45.688	-6.70	.652	1453.1
1240	1.143	1.143	34.723	27.847	27.854	31.962	36.845	42.037	45.688	-7.40	.662	1453.1
1260	1.127	1.127	34.723	27.847	27.854	31.962	36.845	42.043	45.688	-8.10	.672	1453.1
1280	1.111	1.111	34.723	27.847	27.854	31.962	36.845	42.049	45.688	-8.80	.682	1453.1
1300	1.095	1.095	34.723	27.847	27.854	31.962	36.845	42.055	45.688	-9.50	.692	1453.1
1320	1.079	1.079	34.723	27.847	27.854	31.962	36.845	42.061	45.688	-10.20	.702	1453.1
1340	1.063	1.063	34.723	27.847	27.854	31.962	36.845	42.067	45.688	-10.90	.712	1453.1
1360	1.047	1.047	34.723	27.847	27.854	31.962	36.845	42.073	45.688	-11.60	.722	1453.1
1380	1.031	1.031	34.723	27.847	27.854	31.962	36.845	42.079	45.688	-12.30	.732	1453.1
1400	1.015	1.015	34.723	27.847	27.854	31.962	36.845	42.085	45.688	-13.00	.742	1453.1
1420	0.999	0.999	34.723	27.847	27.854	31.962	36.845	42.091	45.688	-13.70	.752	1453.1
1440	0.983	0.983	34.723	27.847	27.854	31.962	36.845	42.097	45.688	-14.40	.762	1453.1
1460	0.967	0.967	34.723	27.847	27.854	31.962	36.845	42.103	45.688	-15.10	.772	1453.1
1480	0.951	0.951	34.723	27.847	27.854	31.962	36.845	42.109	45.688	-15.80	.782	1453.1
1500	0.935	0.935	34.723	27.847	27.854	31.962	36.845	42.115	45.688	-16.50	.792	1453.1
1520	0.919	0.919	34.723	27.847	27.854	31.962	36.845	42.121	45.688	-17.20	.802	1453.1
1540	0.903	0.903	34.723	27.847	27.854	31.962	36.845	42.127	45.688	-17.90	.812	1453.1
1560	0.887	0.887	34.723	27.847	27.854	31.962	36.845	42.133	45.688	-18.60	.822	1453.1
1580	0.871	0.871	34.723	27.847	27.854	31.962	36.845	42.139	45.688	-19.30	.832	1453.1
1600	0.855	0.855	34.723	27.847	27.854	31.962	36.845	42.145	45.688	-20.00	.842	1453.1
1620	0.839	0.839	34.723	27.847	27.854	31.962	36.845	42.151	45.688	-20.70	.852	1453.1
1640	0.823	0.823	34.723	27.847	27.854	31.962	36.845	42.157	45.688	-21.40	.862	1453.1
1660	0.807	0.807	34.723	27.847	27.854	31.962	36.845	42.163	45.688	-22.10	.872	1453.1
1680	0.791	0.791	34.723	27.847	27.854	31.962	36.845	42.169	45.688	-22.80	.882	1453.1
1700	0.775	0.775	34.723	27.847	27.854	31.962	36.845	42.175	45.688	-23.50	.892	1453.1
1720	0.759	0.759	34.723	27.847	27.854	31.962	36.845	42.181	45.688	-24.20	.902	1453.1
1740	0.743	0.743	34.723	27.847	27.854	31.962	36.845	42.187	45.688	-24.90	.912	1453.1
1760	0.727	0.727	34.									

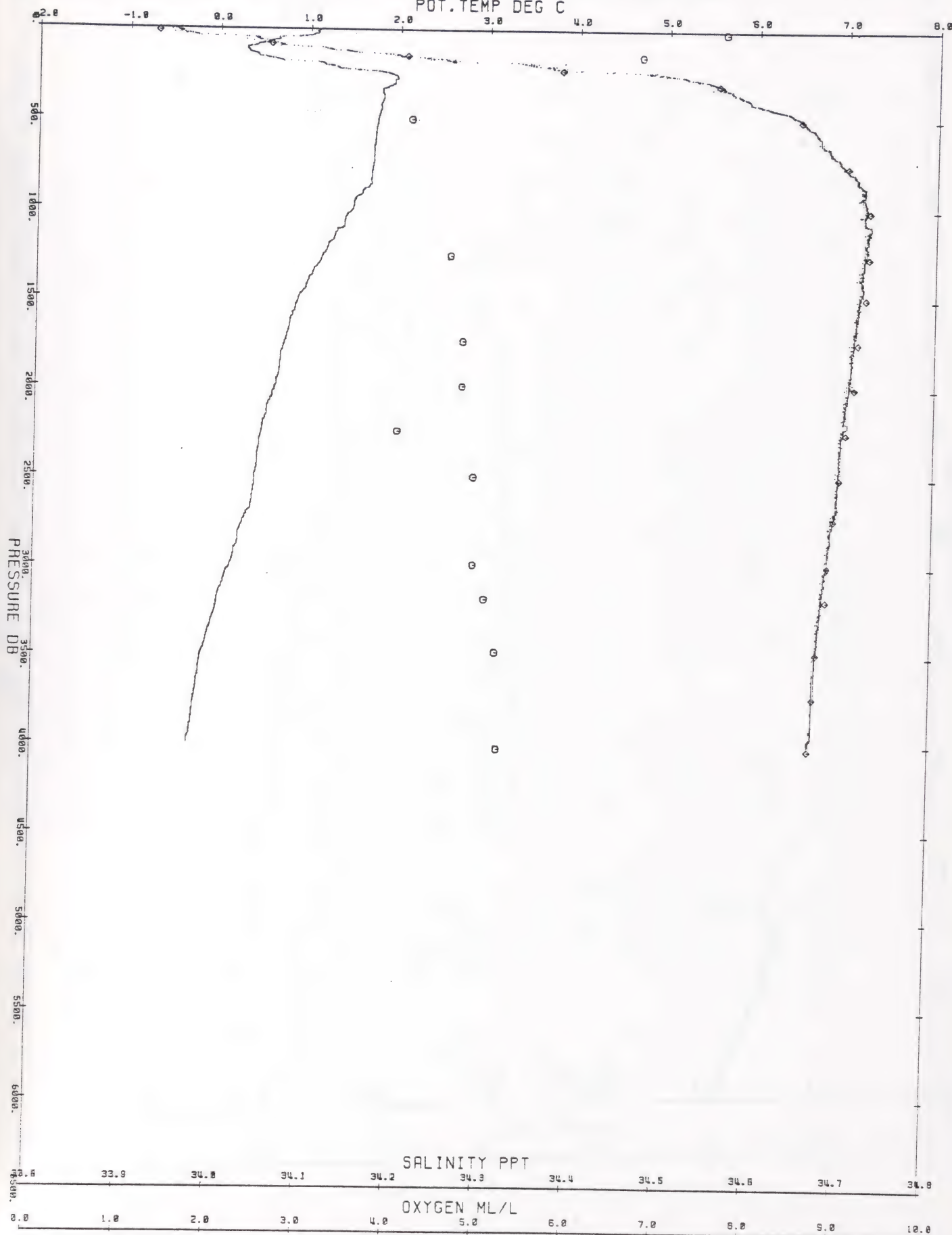
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ST 37

LAT -50.545

LONG 12.043

POT. TEMP DEG C





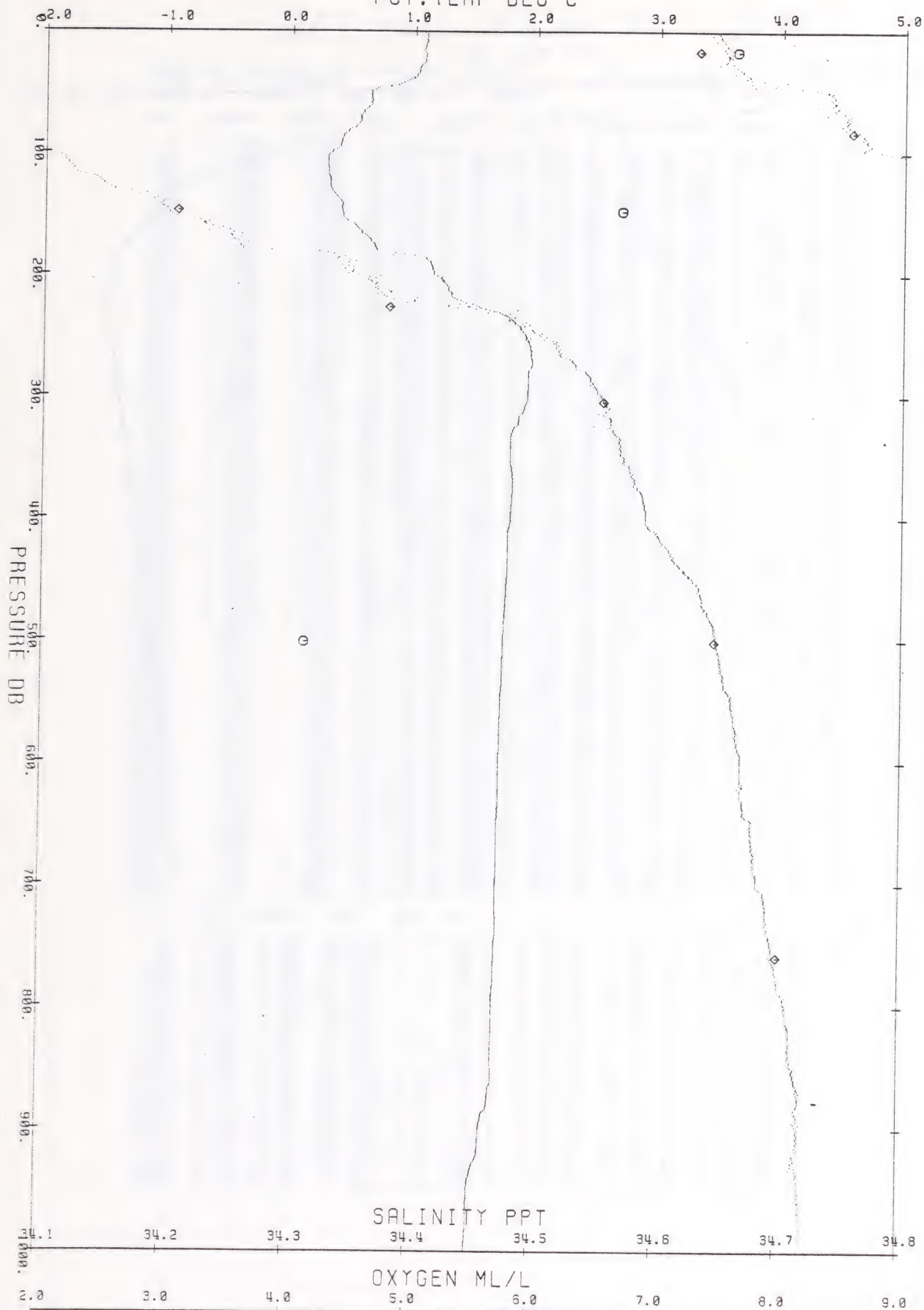
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ST 37

LAT -50.545

LONG 12.043

POT. TEMP DEG C

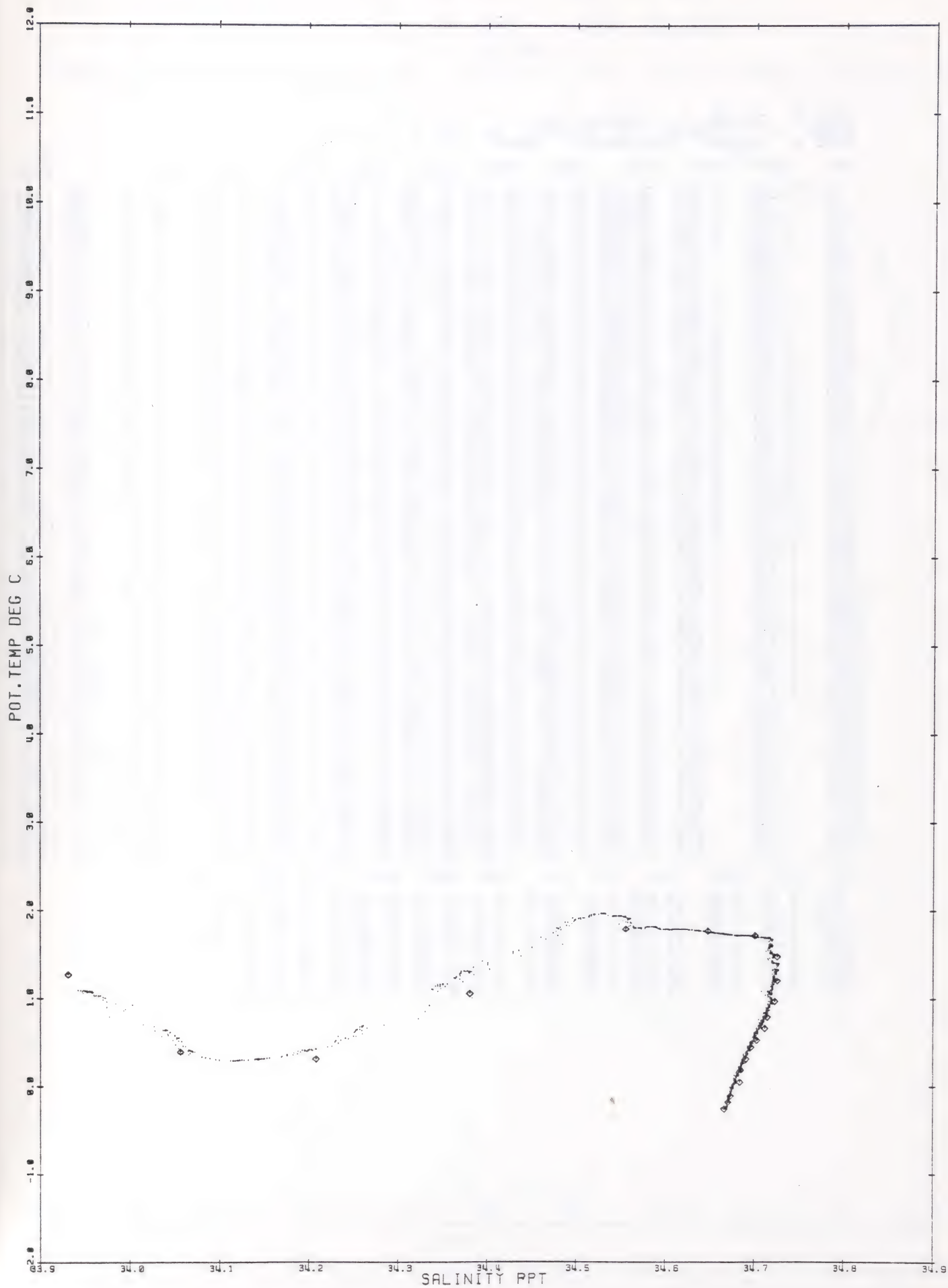


1011

ST 37

LAT -50.545

LONG 12.043





SHIP ID CRUISE 11 STATION 38  
 START 51 10.40 S 12 25.90 E AT 1912 76/12/10  
 WIND = 20M/S COR. DEPTH = 3707M

DE	TEMP	THETA	SAL	SGM-T	SGM-O	SGM-1	SGM-2	SGM-3	SGM-4	AN	HZ	SVEL
0	1.802	1.802	33.763	27.019	27.019	31.703	36.274	40.734	45.089	104.89	.000	1455.7
20	1.738	1.737	33.823	27.076	27.076	31.762	36.333	40.794	45.150	99.55	.020	1455.8
40	1.697	1.695	33.828	27.079	27.079	31.766	36.338	40.801	45.158	99.34	.040	1455.9
60	1.440	1.437	33.840	27.106	27.106	31.801	36.380	40.850	45.214	96.73	.060	1455.9
80	1.127	1.124	33.882	27.160	27.161	31.864	36.452	40.929	45.301	91.57	.079	1454.2
100	1.043	1.039	33.900	27.180	27.181	31.886	36.476	40.956	45.330	89.69	.097	1454.1
120	.782	.777	33.926	27.218	27.218	31.931	36.528	41.015	45.395	86.11	.114	1453.3
140	.512	.506	33.970	27.269	27.270	31.990	36.595	41.089	45.476	81.12	.131	1452.2
160	.781	.774	34.075	27.338	27.338	32.050	36.646	41.132	45.511	74.76	.147	1454.0
180	1.246	1.237	34.161	27.377	27.377	32.075	36.657	41.130	45.496	71.33	.161	1456.7
200	.278	.268	34.274	27.465	27.466	32.162	36.742	41.213	45.577	63.03	.175	1455.4
220	.951	.939	34.347	27.483	27.483	32.162	36.726	41.191	45.530	61.81	.187	1460.0
240	.948	.935	34.399	27.508	27.509	32.183	36.746	41.199	45.544	59.33	.199	1461.0
260	.993	.979	34.423	27.526	27.527	32.198	36.755	41.203	45.546	58.04	.211	1462.0
280	.987	.971	34.443	27.541	27.542	32.213	36.770	41.218	45.561	56.75	.223	1462.0
300	.987	.970	34.462	27.556	27.557	32.228	36.785	41.233	45.575	55.40	.234	1462.0
320	.949	.931	34.486	27.578	27.580	32.232	36.809	41.238	45.601	53.37	.247	1463.1
340	.946	.926	34.524	27.600	27.602	32.271	36.826	41.271	45.612	51.50	.261	1464.0
360	.946	.925	34.538	27.612	27.614	32.283	36.837	41.283	45.623	50.55	.273	1464.0
380	.931	.908	34.552	27.625	27.627	32.296	36.852	41.298	45.639	49.43	.286	1464.0
400	.935	.915	34.564	27.637	27.639	32.309	36.865	41.312	45.654	48.37	.298	1465.1
420	.981	.955	34.575	27.646	27.648	32.319	36.875	41.322	45.665	47.60	.310	1465.5
440	.980	.953	34.591	27.659	27.662	32.332	36.888	41.335	45.677	46.49	.322	1465.9
460	.964	.935	34.603	27.670	27.673	32.344	36.900	41.348	45.690	45.54	.333	1466.0
480	.976	.944	34.619	27.682	27.685	32.355	36.912	41.359	45.701	44.68	.356	1467.0
500	.967	.932	34.636	27.696	27.699	32.370	36.927	41.373	45.716	43.60	.378	1468.0
520	.972	.933	34.656	27.712	27.715	32.386	36.942	41.389	45.731	42.37	.399	1468.9
540	.984	.942	34.679	27.722	27.725	32.395	36.951	41.398	45.739	41.73	.420	1469.9
560	.960	.915	34.678	27.731	27.734	32.405	36.962	41.409	45.751	41.07	.441	1470.0
580	.978	.932	34.696	27.744	27.748	32.418	36.974	41.421	45.763	40.13	.461	1471.4
600	.978	.932	34.704	27.755	27.760	32.432	36.990	41.438	45.782	39.13	.481	1472.0
620	.984	.939	34.717	27.768	27.772	32.445	37.004	41.453	45.797	38.17	.501	1472.7
640	.978	.930	34.723	27.773	27.778	32.451	37.010	41.459	45.804	37.84	.520	1473.6
660	.931	.911	34.730	27.782	27.787	32.461	37.022	41.472	45.818	37.13	.538	1474.4
680	.905	.888	34.739	27.791	27.797	32.473	37.035	41.484	45.831	36.65	.575	1475.0
700	.905	.888	34.752	27.803	27.811	32.488	37.050	41.497	45.850	36.65	.611	1477.0
720	.905	.888	34.747	27.810	27.816	32.496	37.062	41.517	45.868	35.27	.647	1478.0
740	.905	.888	34.750	27.817	27.823	32.505	37.072	41.530	45.883	34.82	.682	1479.0
760	.905	.888	34.747	27.823	27.830	32.515	37.086	41.547	45.902	34.17	.716	1481.1
780	.905	.888	34.739	27.825	27.832	32.521	37.094	41.558	45.917	33.93	.750	1482.0
800	.905	.888	34.736	27.828	27.836	32.527	37.104	41.570	45.931	33.54	.784	1483.3
820	.905	.888	34.733	27.833	27.841	32.535	37.114	41.584	45.948	33.25	.817	1484.9
840	.905	.888	34.728	27.837	27.845	32.543	37.126	41.598	45.965	32.29	.850	1486.6
860	.905	.888	34.723	27.841	27.849	32.551	37.138	41.614	45.985	31.47	.882	1487.1
880	.904	.875	34.712	27.848	27.856	32.565	37.159	41.642	46.019	30.76	.913	1487.0
900	.904	.875	34.710	27.849	27.858	32.568	37.164	41.648	46.026	30.51	.940	1489.0
920	.904	.875	34.709	27.851	27.860	32.572	37.169	41.654	46.034	29.23	.972	1490.0
940	.904	.875	34.707	27.851	27.860	32.573	37.171	41.657	46.038	28.97	.991	1492.0
960	.904	.875	34.705	27.851	27.860	32.574	37.172	41.660	46.041	28.77	.030	1494.0
980	.904	.875	34.703	27.851	27.861	32.576	37.173	41.663	46.045	28.59	.059	1495.0
1000	.904	.875	34.704	27.852	27.862	32.578	37.178	41.667	46.049	28.43	.088	1497.0
1020	.904	.875	34.703	27.852	27.863	32.579	37.179	41.669	46.052	28.27	.118	1499.0
1040	.904	.875	34.702	27.852	27.863	32.580	37.181	41.672	46.055	28.13	.147	1500.0
1060	.904	.875	34.701	27.852	27.864	32.582	37.184	41.675	46.059	28.04	.176	1502.0
1080	.904	.875	34.699	27.853	27.866	32.585	37.189	41.681	46.067	27.97	.204	1503.0
1100	.904	.875	34.697	27.854	27.867	32.588	37.194	41.688	46.076	27.91	.234	1504.0
1120	.904	.875	34.695	27.854	27.869	32.592	37.198	41.694	46.083	27.89	.264	1505.0

DE	TEMP	THETA	SAL	OXY	SIL	PO4	SGM-T	SGM-O	SGM-2	SGM-4	FLAG
809	2.05	2.00	34.693	4.19	64.0	22.22	27.74	27.75	36.98	45.77	D6
951	1.98	1.94	34.724	4.41	64.3	22.17	27.77	27.78	37.01	45.80	D6
1070	1.91	1.86	34.735	4.43	67.1	22.76	27.79	27.79	37.03	45.83	D6
1044	1.71	1.66	34.748	4.58	67.8	22.37	27.81	27.82	37.07	45.88	D6
1081	1.49	1.44	34.702	4.81	92.1	22.39	27.79	27.80	37.06	45.88	D6
1010	0.64	0.60	34.702	4.94	92.1	22.44	27.85	27.86	37.18	46.05	D6
1039	0.49	0.44	34.699	4.94	92.1	22.46	27.85	27.86	37.18	46.05	A
1045	0.48	0.44	34.696	4.94	92.1	22.48	27.85	27.86	37.18	46.07	A
1041	0.48	0.44	34.696	4.94	124.0	22.48	27.85	27.86	37.20	46.08	A

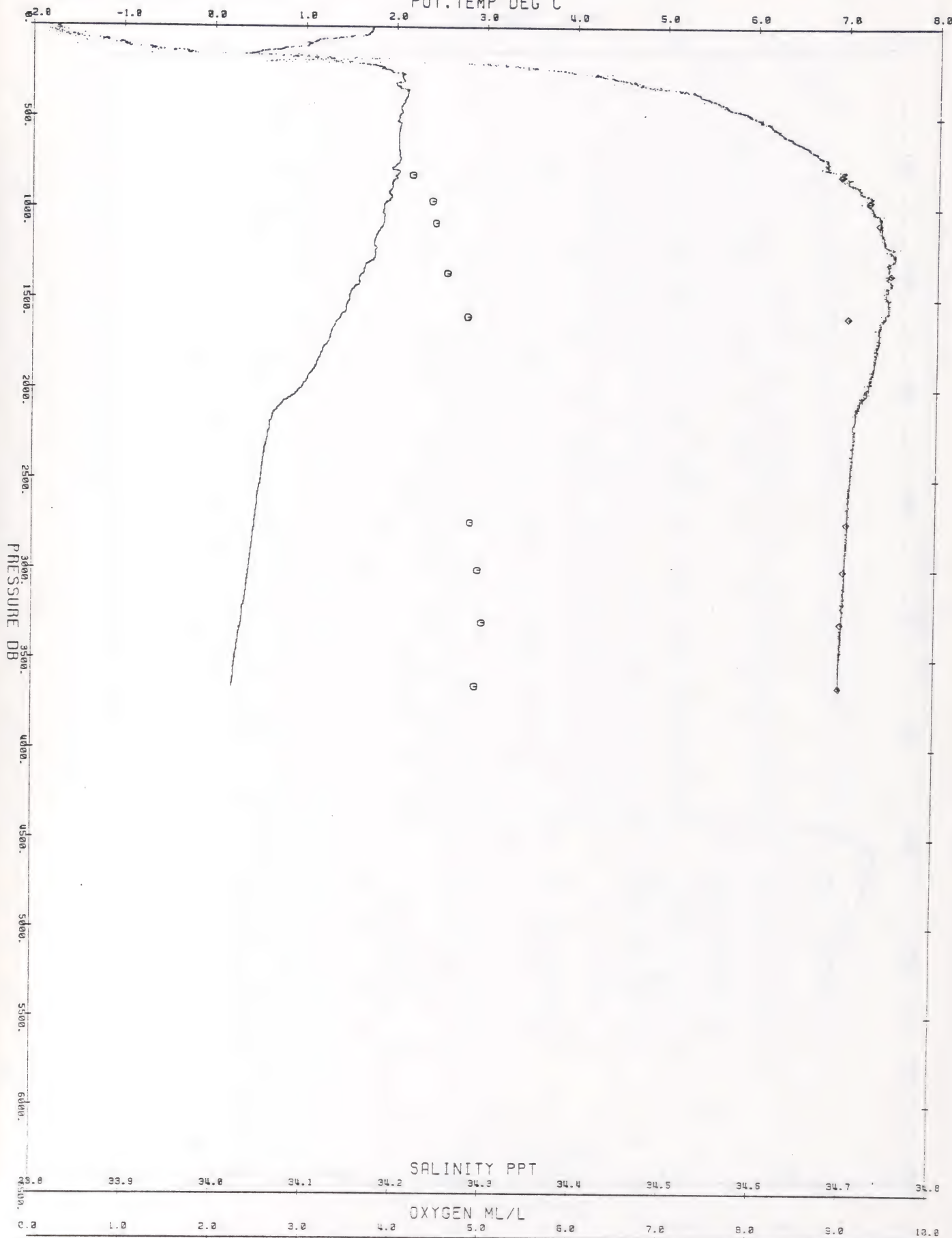
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ST 38

LAT -50.896

LONG 12.259

POT. TEMP DEG C





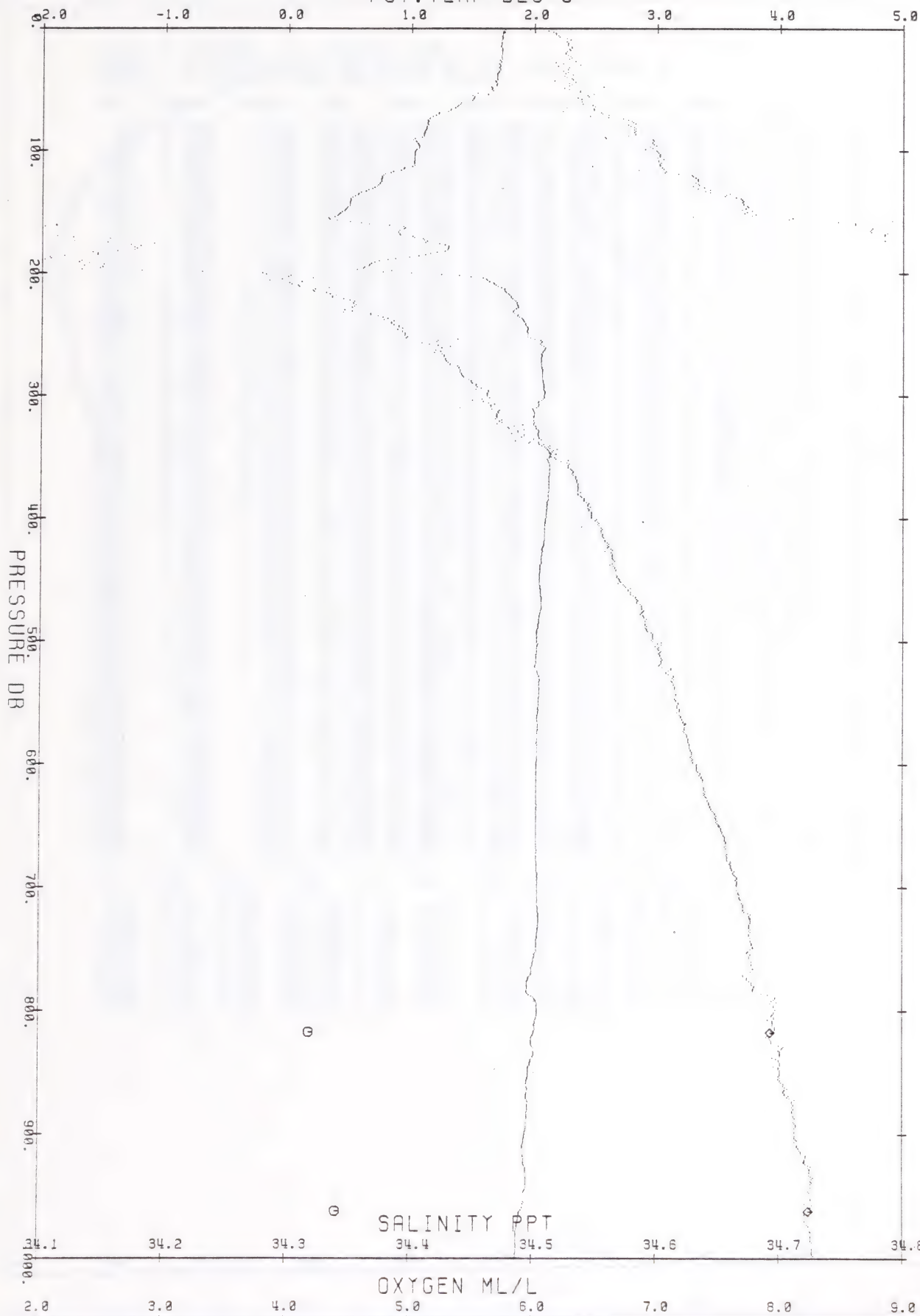
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ST 38

LAT -50.896

LONG 12.259

POT. TEMP DEG C

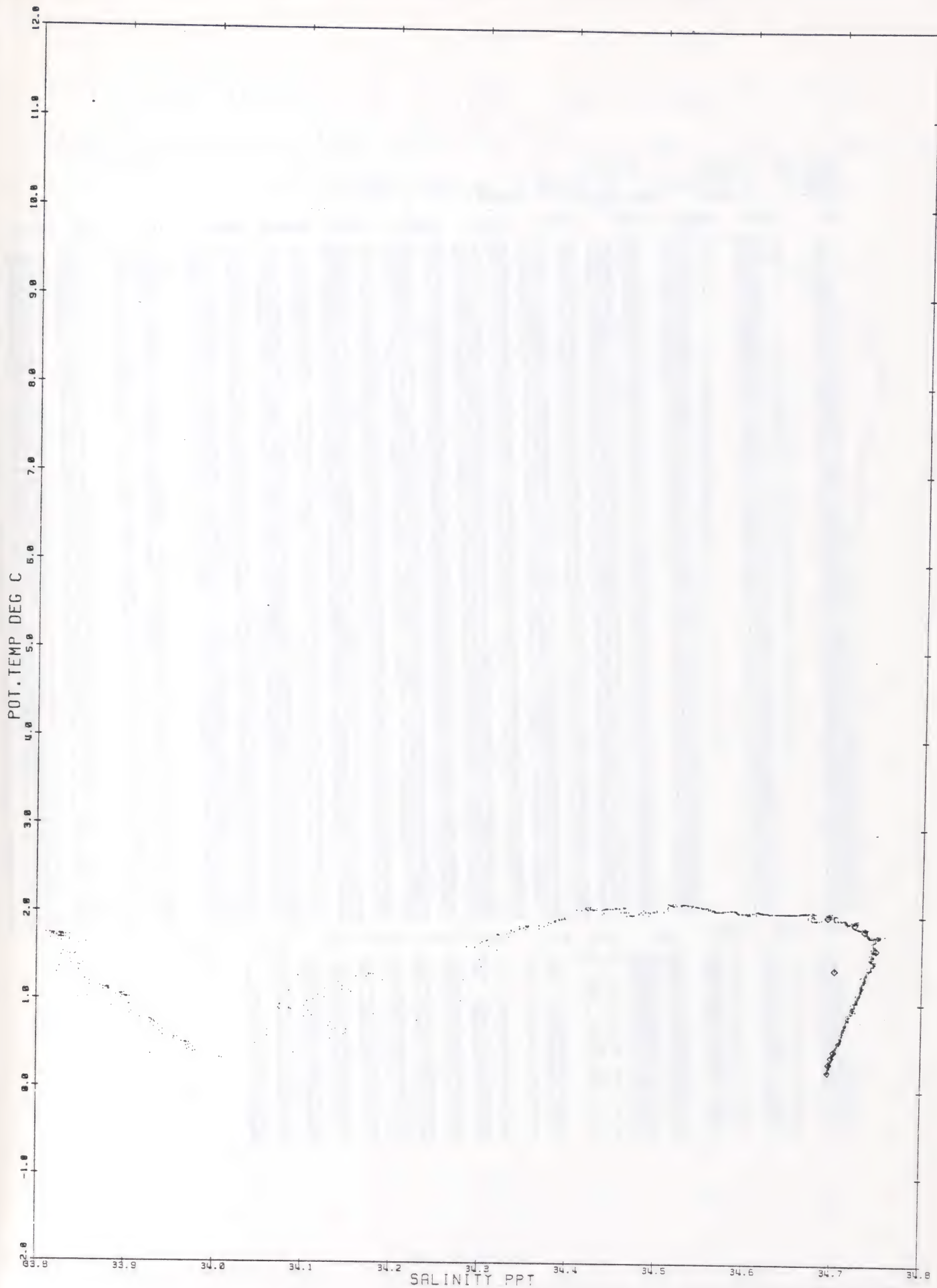


I011

ST 38

LAT -50.896

LONG 12.259





SHIP ID CRUISE 11 STATION 39  
START 50 37.60 S 12 20.40 E AT 1720 76/12/11  
WIND = 15M/S COR. DEPTH = 3817M

DE	TEMP	THETA	SAL	SGM-T	SGM-O	SGM-1	SGM-2	SGM-3	SGM-4	AN	HZ	SVEL
0	1.953	1.953	33.777	27.019	27.019	31.699	36.326	40.721	45.072	104.90	.000	1456.4
20	1.879	1.877	33.835	27.071	27.071	31.753	36.320	40.777	45.130	100.04	.020	1456.6
40	1.826	1.824	33.932	27.072	27.072	31.754	36.324	40.783	45.137	100.00	.040	1456.6
60	1.760	1.760	33.934	27.078	27.078	31.759	36.325	40.795	45.151	99.41	.060	1456.6
80	1.692	1.692	33.847	27.135	27.135	31.840	36.429	40.908	45.280	93.98	.080	1456.6
100	1.600	1.600	33.869	27.199	27.199	31.867	36.458	40.940	45.319	91.70	.080	1456.6
120	1.493	1.493	33.904	27.192	27.192	31.902	36.496	40.979	45.357	88.36	.098	1456.6
140	1.363	1.363	33.987	27.251	27.251	31.956	36.546	41.026	45.399	88.08	.116	1456.6
160	1.213	1.213	33.969	27.359	27.359	31.976	36.577	41.066	45.450	88.23	.134	1456.6
180	1.033	1.033	33.969	27.431	27.431	31.988	36.649	41.121	45.488	82.24	.150	1456.6
200	0.823	0.823	33.972	27.498	27.498	31.996	36.652	41.111	45.465	69.66	.165	1456.6
220	0.576	0.576	33.972	27.482	27.482	31.996	36.682	41.140	45.443	66.63	.180	1456.6
240	0.301	0.301	33.972	27.490	27.490	31.996	36.721	41.169	45.511	62.07	.193	1456.6
260	0.101	0.101	33.972	27.507	27.507	31.996	36.736	41.184	45.527	61.40	.206	1456.6
280	0.000	0.000	33.972	27.516	27.516	31.996	36.745	41.193	45.533	59.92	.219	1456.6
300	0.000	0.000	33.972	27.539	27.539	31.996	36.768	41.215	45.559	59.92	.231	1456.6
320	0.000	0.000	33.972	27.557	27.557	31.996	36.783	41.229	45.570	59.92	.243	1456.6
340	0.000	0.000	33.972	27.574	27.574	31.996	36.800	41.245	45.586	59.92	.257	1456.6
360	0.000	0.000	33.972	27.586	27.586	31.996	36.810	41.255	45.596	59.92	.271	1456.6
380	0.000	0.000	33.972	27.614	27.614	31.996	36.823	41.268	45.609	59.92	.285	1456.6
400	0.000	0.000	33.972	27.629	27.629	31.996	36.837	41.283	45.623	59.92	.300	1456.6
420	0.000	0.000	33.972	27.641	27.641	31.996	36.850	41.295	45.635	49.85	.311	1456.6
440	0.000	0.000	33.972	27.643	27.643	31.996	36.866	41.311	45.651	48.46	.324	1456.6
460	0.000	0.000	33.972	27.662	27.662	31.996	36.883	41.331	45.670	48.85	.337	1456.6
480	0.000	0.000	33.972	27.680	27.680	31.996	36.903	41.348	45.689	48.96	.349	1456.6
500	0.000	0.000	33.972	27.699	27.699	31.996	36.925	41.371	45.713	48.96	.366	1456.6
520	0.000	0.000	33.972	27.710	27.710	31.996	36.940	41.399	45.728	48.96	.373	1456.6
540	0.000	0.000	33.972	27.725	27.725	31.996	36.955	41.399	45.742	48.96	.396	1456.6
560	0.000	0.000	33.972	27.735	27.735	31.996	36.966	41.				

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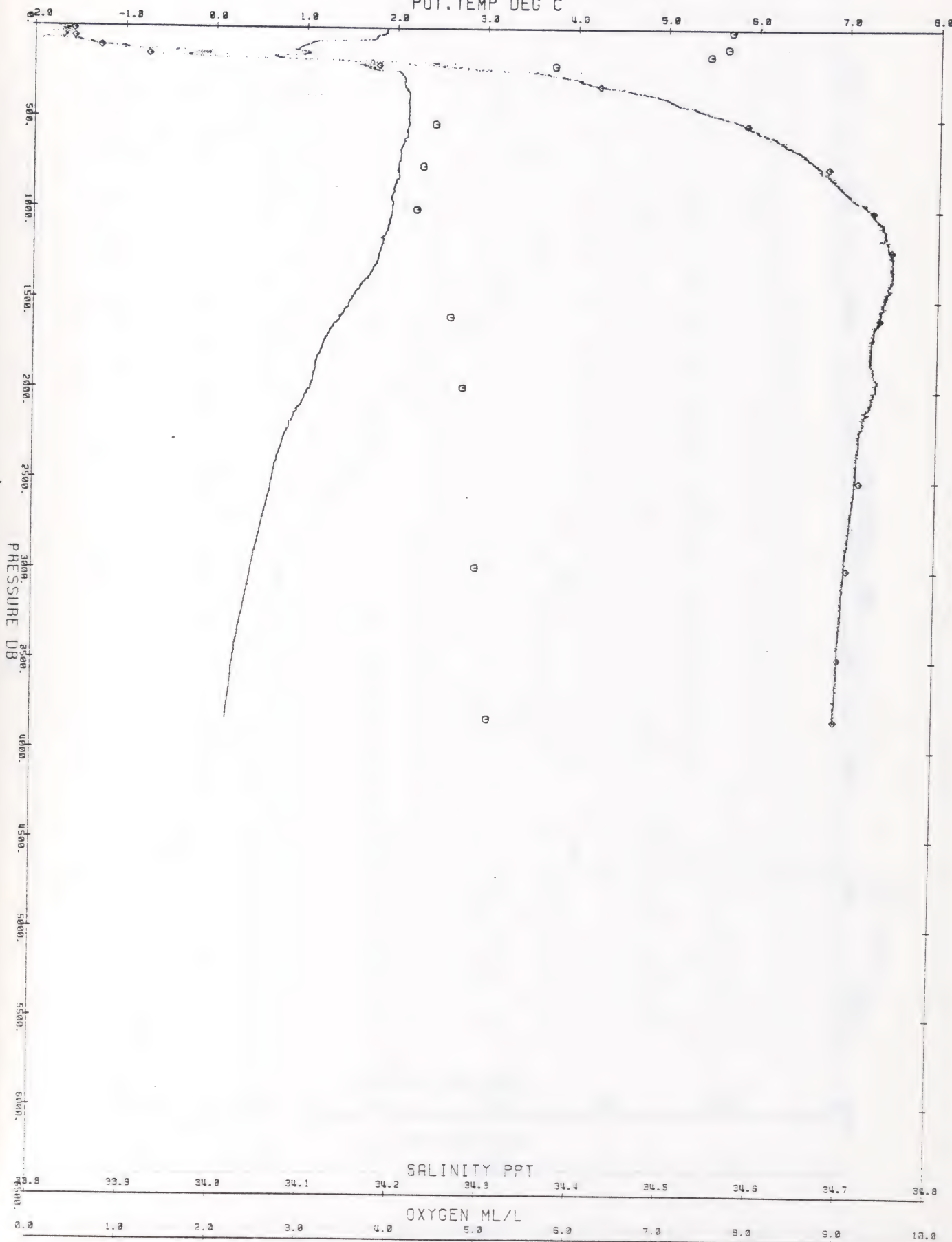
1011

ST 39

LAT -49.624

LONG 12.204

POT. TEMP DEG C





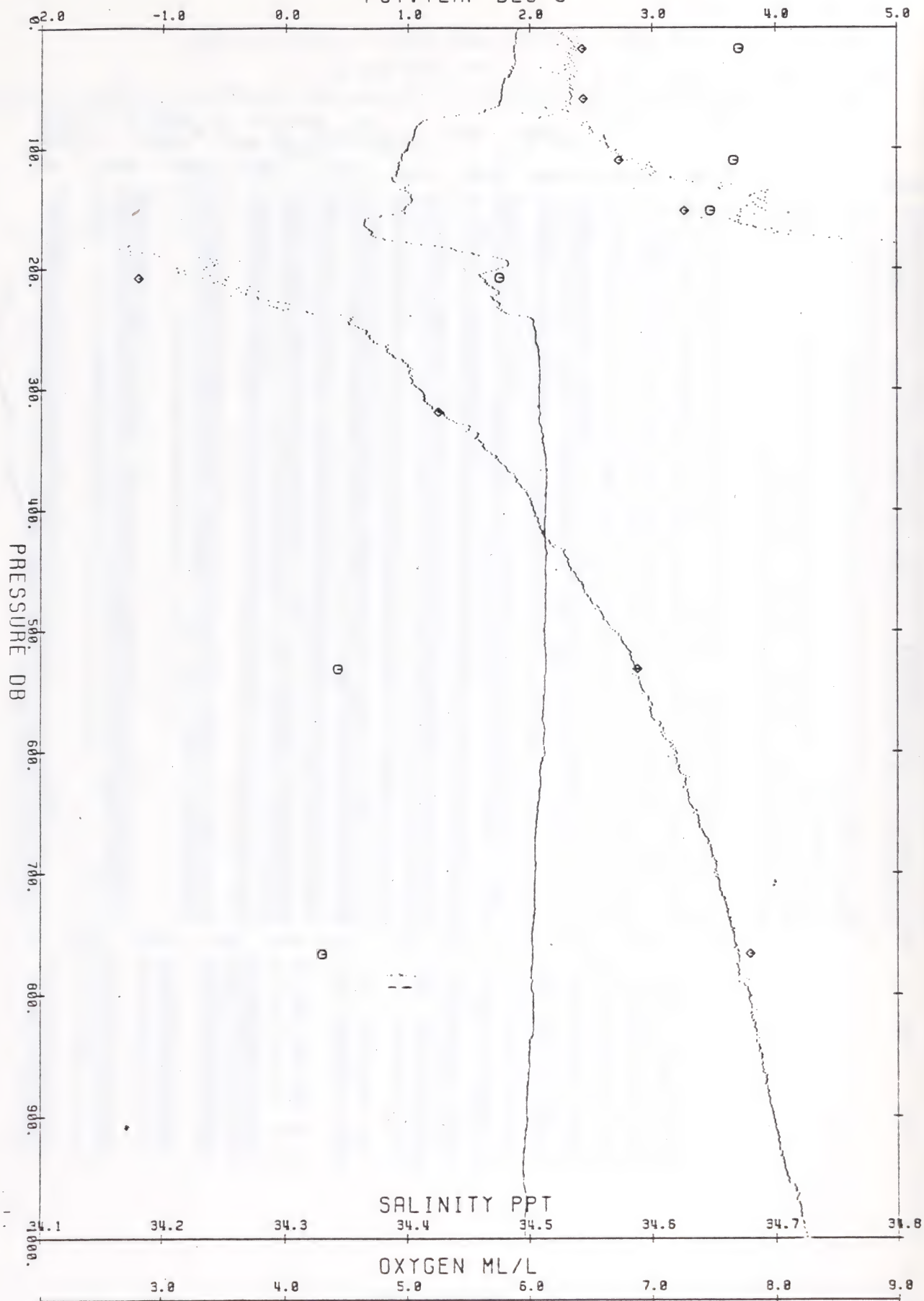
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ST 39

LAT -49.624

LONG 12.204

POT. TEMP DEG C

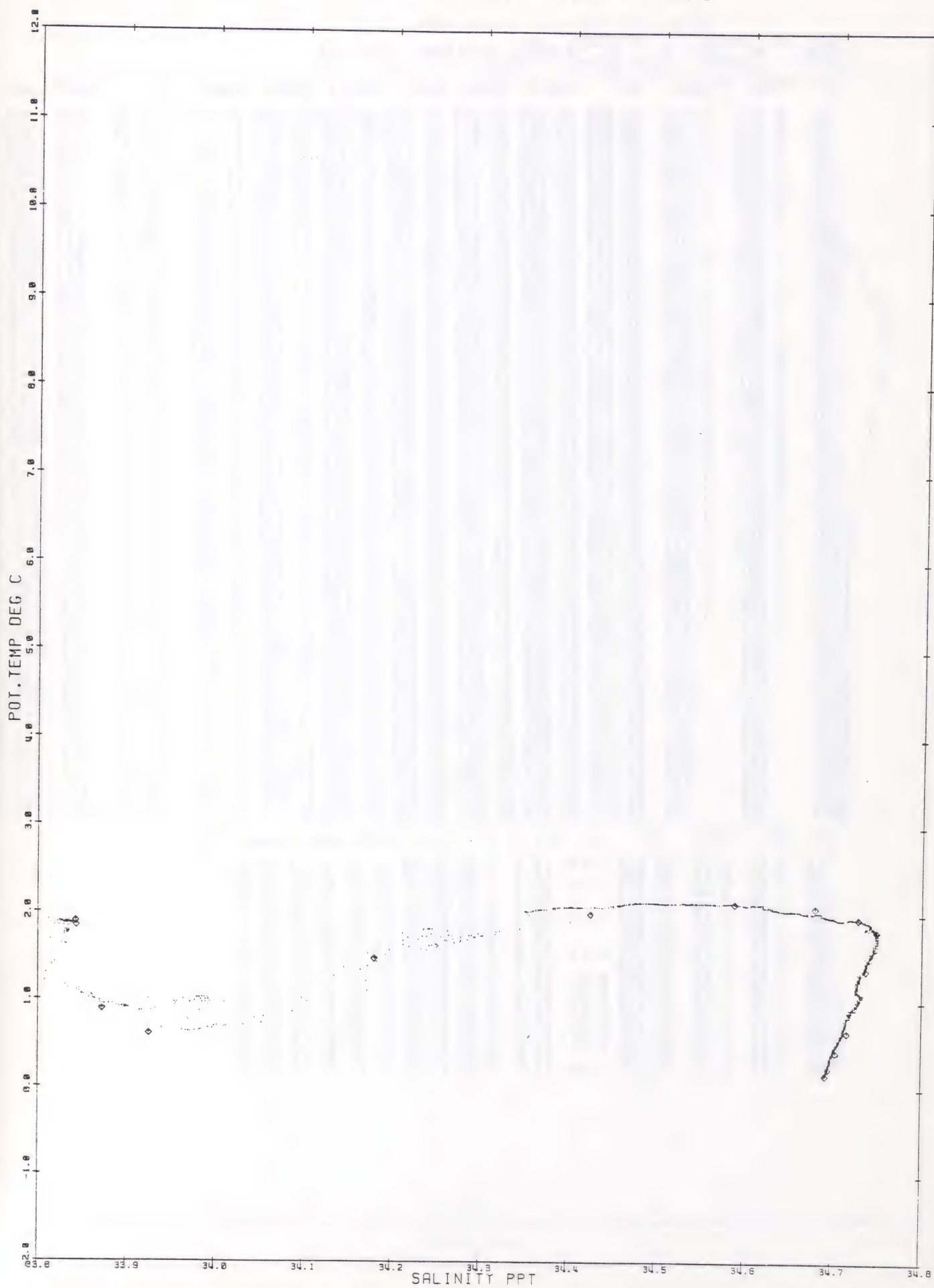


1011

ST 39

LAT -49.624

LONG 12.204





SHIP ID CRUISE 11 STATION 40  
 START 50 8.70 S 12 53.90 E AT 226 76/12/12  
 WIND = 12M/S COR. DEPTH = 4341M

DE	TEMP	THETA	SAL	SGM-T	SGM-O	SGM-1	SGM-2	SGM-3	SGM-4	AN	HZ	SVEL
0	464	2.464	33.808	27.003	27.003	31.668	36.220	40.663	45.000	106.39	.000	1458.7
20	456	2.455	33.823	27.017	27.017	31.682	36.234	40.677	45.015	105.18	.021	1459.0
40	444	2.442	33.823	27.017	27.017	31.683	36.235	40.678	45.016	105.29	.042	1459.3
60	438	2.432	33.823	27.019	27.019	31.690	36.247	40.694	45.036	105.12	.063	1459.6
80	432	2.421	33.820	27.055	27.055	31.736	36.302	40.739	45.110	101.74	.084	1459.9
100	425	2.408	33.819	27.074	27.074	31.763	36.337	40.801	45.159	99.90	.104	1459.9
120	418	2.393	33.817	27.133	27.133	31.833	36.417	40.892	45.260	94.30	.124	1459.9
140	410	2.377	33.817	27.192	27.192	31.895	36.443	40.920	45.321	92.49	.142	1459.9
160	402	2.360	33.816	27.175	27.175	31.880	36.470	40.949	45.321	90.24	.160	1459.9
180	394	2.342	33.815	27.215	27.215	31.921	36.511	40.990	45.364	86.49	.178	1459.9
200	387	2.325	33.814	27.257	27.257	31.970	36.567	41.053	45.433	82.43	.195	1459.9
220	380	2.308	33.813	27.300	27.300	32.008	36.601	41.083	45.459	78.47	.211	1459.9
240	372	2.290	33.812	27.340	27.340	32.033	36.611	41.079	45.441	75.03	.226	1459.9
260	364	2.272	33.811	27.391	27.391	32.077	36.648	41.109	45.465	70.48	.241	1459.9
280	356	2.254	33.810	27.425	27.425	32.108	36.675	41.133	45.486	67.41	.255	1459.9
300	348	2.236	33.809	27.453	27.453	32.135	36.702	41.159	45.512	64.88	.268	1459.9
320	340	2.218	33.808	27.499	27.499	32.166	36.742	41.194	45.544	60.64	.284	1459.9
340	332	2.200	33.807	27.551	27.551	32.203	36.792	41.240	45.593	55.99	.313	1459.9
360	324	2.182	33.806	27.584	27.584	32.234	36.808	41.260	45.606	54.43	.327	1459.9
380	316	2.164	33.805	27.617	27.617	32.279	36.837	41.270	45.613	53.24	.340	1459.9
400	308	2.146	33.804	27.627	27.627	32.300	36.857	41.286	45.630	51.50	.353	1459.9
420	300	2.128	33.803	27.645	27.645	32.319	36.875	41.305	45.648	50.40	.366	1459.9
440	292	2.110	33.802	27.666	27.666	32.339	36.896	41.322	45.665	48.19	.378	1459.9
460	284	2.092	33.801	27.681	27.681	32.359	36.911	41.343	45.685	46.47	.403	1459.9
480	276	2.074	33.800	27.699	27.699	32.373	36.930	41.377	45.720	45.30	.427	1459.9
500	268	2.056	33.799	27.714	27.714	32.388	36.945	41.392	45.734	43.81	.472	1459.9
520	260	2.038	33.798	27.724	27.724	32.400	36.955	41.402	45.745	41.97	.493	1459.9
540	252	2.020	33.797	27.734	27.734	32.410	36.967	41.414	45.757	41.19	.519	1459.9
560	244	2.002	33.796	27.745	27.745	32.421	36.978	41.427	45.770	40.41	.556	1459.9
580	236	1.984	33.795	27.752	27.752	32.438	36.986	41.435	45.778	39.98	.576	1459.9
600	228	1.966	33.794	27.760	27.760	32.454	36.996	41.445	45.789	39.41	.596	1459.9
620	220	1.948	33.793	27.774	27.774	32.477	37.014	41.464	45.810	38.34	.635	1459.9
640	212	1.930	33.792	27.786	27.786	32.493	37.028	41.479	45.825	37.58	.673	1459.9
660	204	1.912	33.791	27.800	27.800	32.513	37.046	41.499	45.846	36.58	.710	1459.9
680	196	1.894	33.790	27.815	27.815	32.536	37.062	41.517	45.868	35.74	.746	1459.9
700	188	1.876	33.789	27.822	27.822	32.551	37.073	41.531	45.883	34.28	.781	1459.9
720	180	1.858	33.788	27.826	27.826	32.566	37.085	41.546	45.899	33.44	.816	1459.9
740	172	1.840	33.787	27.831	27.831	32.581	37.096	41.559	45.918	32.44	.851	1459.9
760	164	1.822	33.786	27.834	27.834	32.593	37.108	41.575	45.936	31.51	.885	1459.9
780	156	1.804	33.785	27.837	27.837	32.607	37.117	41.586	45.950	30.94	.918	1459.9
800	148	1.786	33.784	27.841	27.841	32.621	37.126	41.598	45.964	30.22	.951	1459.9
820	140	1.768	33.783	27.843	27.843	32.635	37.136	41.610	45.979	29.44	.983	1459.9
840	132	1.750	33.782	27.845	27.845	32.648	37.151	41.621	45.993	28.54	1.015	1459.9
860	124	1.732	33.781	27.846	27.846	32.660	37.157	41.631	46.005	27.77	1.046	1459.9
880	116	1.714	33.780	27.848	27.848	32.673	37.166	41.645	46.022	27.00	1.077	1459.9
900	108	1.696	33.779	27.849	27.849	32.686	37.172	41.654	46.038	26.47	1.108	1459.9
920	100	1.678	33.778	27.850	27.850	32.698	37.179	41.663	46.054	25.90	1.138	1459.9
940	92	1.660	33.777	27.851	27.851	32.710	37.189	41.674	46.069	25.37	1.168	1459.9
960	84	1.642	33.776	27.852	27.852	32.723	37.195	41.682	46.083	24.90	1.198	1459.9
980	76	1.624	33.775	27.853	27.853	32.734	37.202	41.694	46.098	24.43	1.228	1459.9
1000	68	1.606	33.774	27.854	27.854	32.746	37.205	41.701	46.112	23.96	1.258	1459.9

DE	TEMP	THETA	SAL	OXY	SIL	PO4	SGM-T	SGM-O	SGM-2	SGM-4	FLAG
18	44	2.44	33.829	7.63	15.7	1.71	27.02	27.02	36.24	45.02	A
38	42	2.42	33.830	7.66	16.1	1.68	27.02	27.02	36.24	45.03	
58	40	2.40	33.830	7.66	20.0	1.87	27.11	27.11	36.38	45.00	
78	38	2.38	33.830	7.66	30.7	1.96	27.16	27.16	36.46	45.02	
98	36	2.36	33.830	5.77	48.0	1.99	27.39	27.39	36.55	45.07	
118	34	2.34	33.830	4.15	59.5	2.05	27.47	27.47	36.73	45.52	
138	32	2.32	33.830	4.15	65.7	2.11	27.63	27.63	36.86	45.65	
158	30	2.30	33.830	4.15	64.5	2.17	27.71	27.71	36.94	45.74	
178	28	2.28	33.830	4.15	64.5	2.23	27.76	27.76	37.04	45.79	
198	26	2.26	33.830	4.15	64.5	2.29	27.77	27.77	37.07	45.84	A
218	24	2.24	33.830	4.15	64.5	2.35	27.77	27.77	37.10	45.84	
238	22	2.22	33.830	4.15	64.5	2.41	27.77	27.77	37.12	45.84	A
258	20	2.20	33.830	4.15	64.5	2.47	27.77	27.77	37.16	45.84	
278	18	2.18	33.830	4.15	64.5	2.53	27.77	27.77	37.18	45.84	A
298	16	2.16	33.830	4.15	64.5	2.59	27.77	27.77	37.20	45.84	A

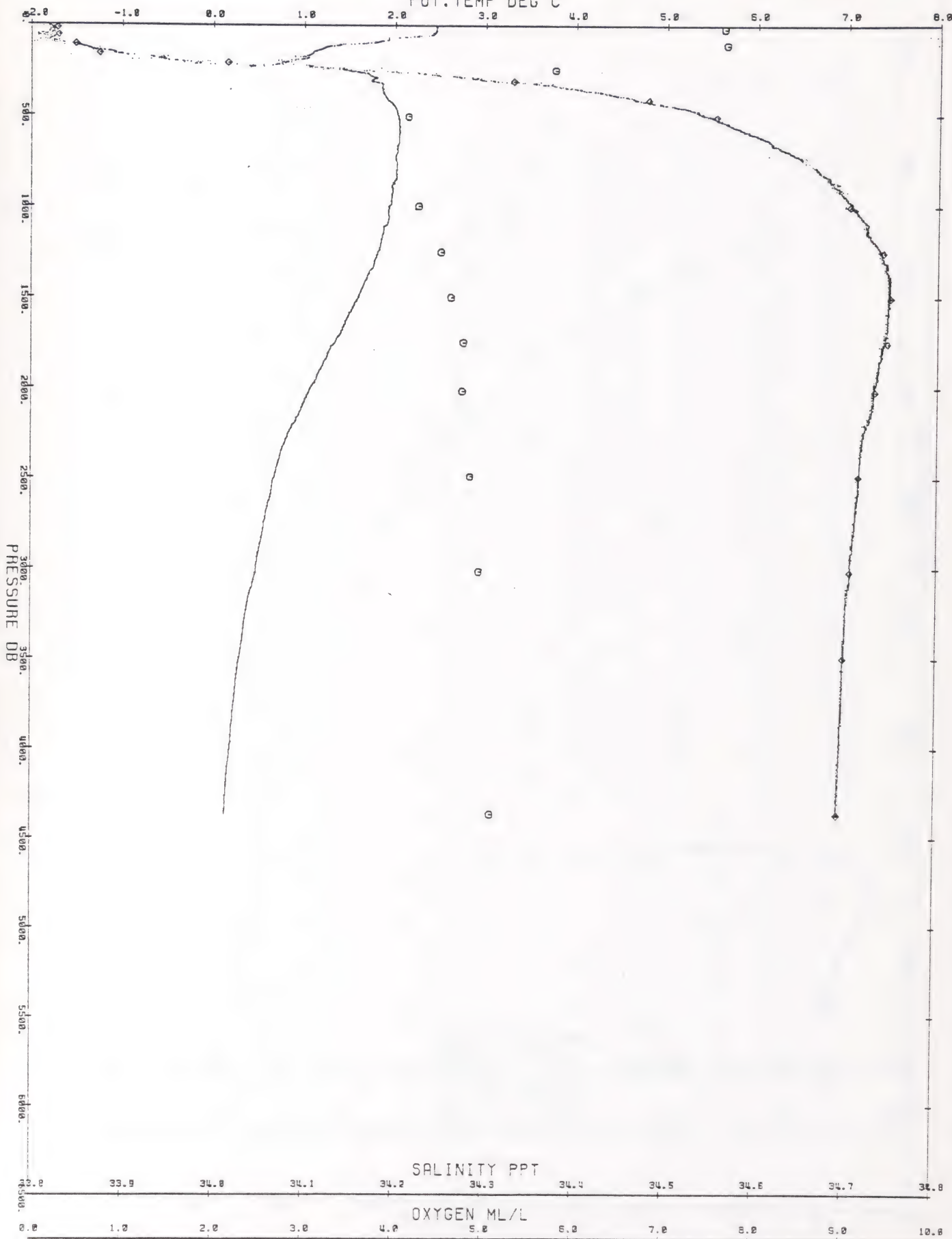
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ST 40

LAT -49.913

LONG 12.539

POT. TEMP DEG C





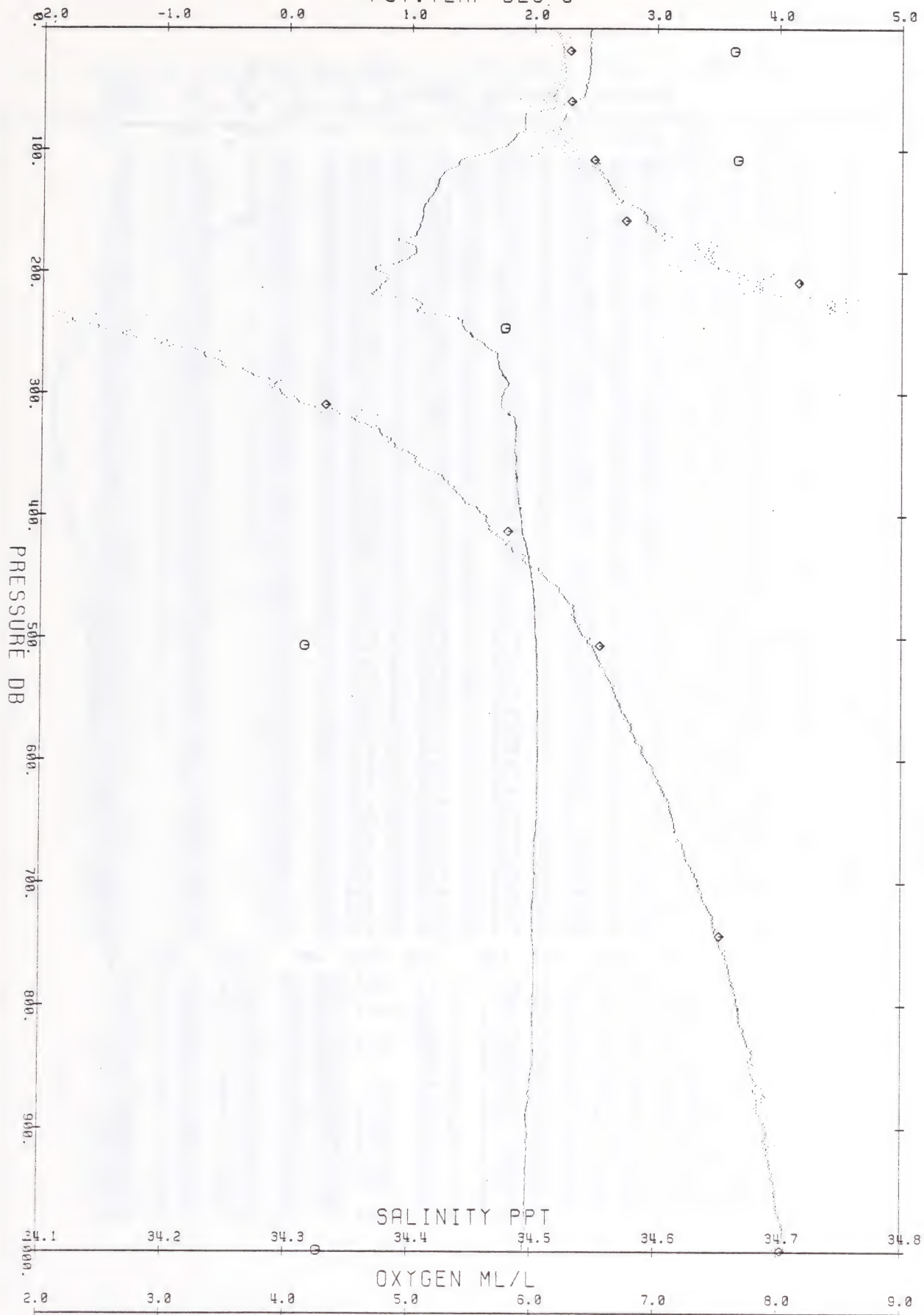
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ST 40

LAT -49.913

LONG 12.539

POT. TEMP DEG. C

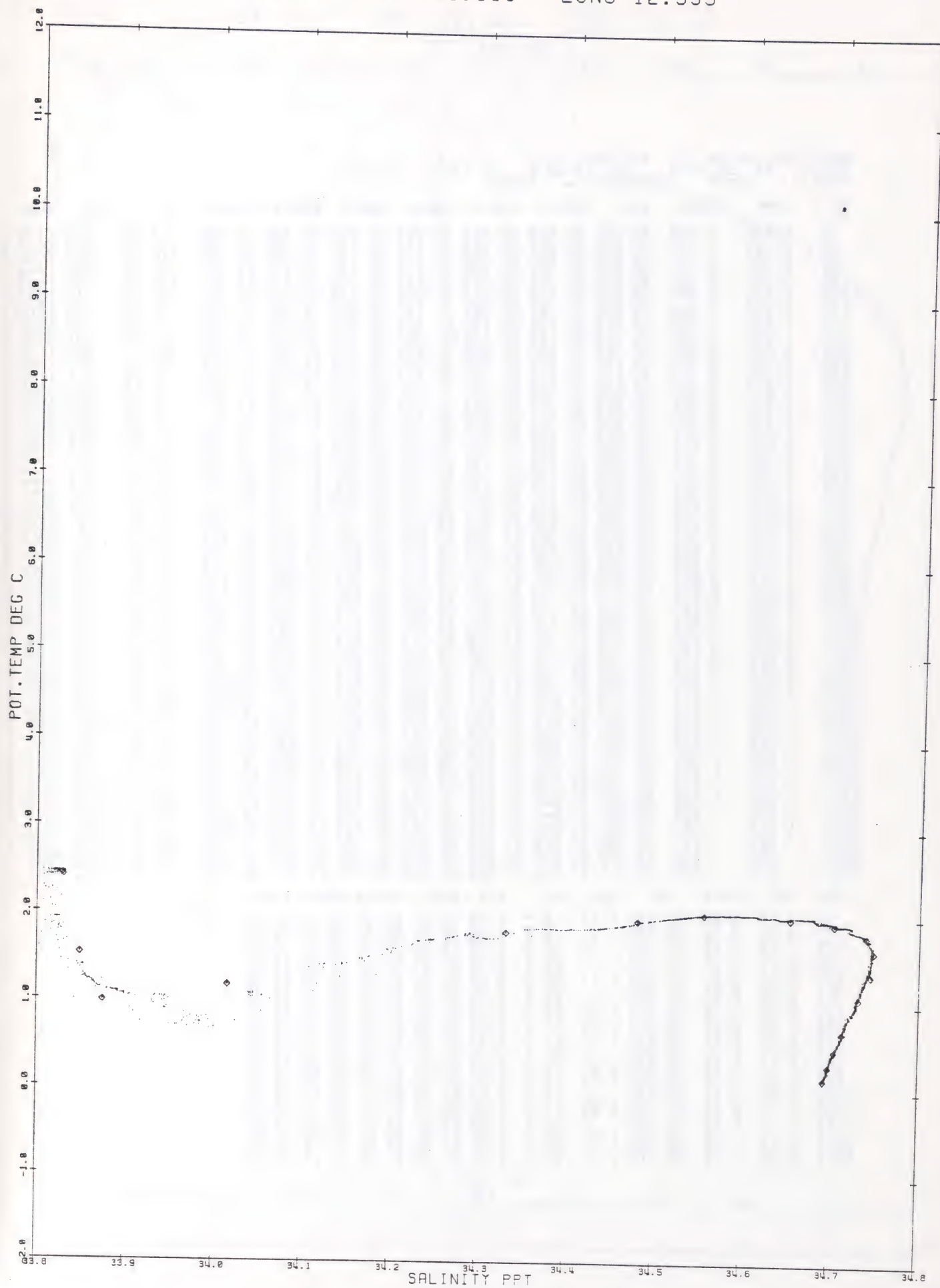


I011

ST 40

LAT -49.913

LONG 12.539





SHIP ID CRUISE 11 STATION 41  
 START 49 32.00 S 13 14.60 E AT 1500 76/12/12  
 WIND = 12M/S COR. DEPTH = 4274M

DE	TEMP	THETA	SAL	SGM-T	SGM-O	SGM-1	SGM-2	SGM-3	SGM-4	AN	HZ	SVEL
0	258	3.258	33.782	26.913	26.913	31.556	36.087	40.509	44.828	114.96	000	1462.1
20	199	3.197	33.846	26.969	26.969	31.614	36.145	40.569	44.888	109.79	022	1462.2
40	183	3.180	33.842	26.967	26.967	31.612	36.144	40.568	44.888	110.09	044	1462.3
60	166	3.163	33.840	26.967	26.968	31.614	36.146	40.571	44.891	110.16	066	1462.7
80	156	3.151	33.840	26.968	26.969	31.613	36.148	40.572	44.893	110.23	089	1463.0
100	141	3.085	33.840	26.974	26.975	31.623	36.158	40.584	44.906	109.73	111	1463.1
120	127	3.077	33.849	27.009	27.010	31.667	36.210	40.644	44.974	106.47	132	1462.1
140	110	3.000	33.889	27.081	27.081	31.751	36.307	40.753	45.094	99.63	153	1460.4
160	94	2.933	33.913	27.128	27.129	31.808	36.374	40.829	45.180	95.08	172	1459.2
180	78	2.892	33.963	27.167	27.168	31.847	36.412	40.867	45.217	91.46	191	1459.2
200	63	2.837	34.085	27.227	27.228	31.892	36.443	40.884	45.221	86.17	209	1462.2
220	43	2.821	34.147	27.280	27.282	31.947	36.498	40.941	45.278	81.18	229	1462.4
240	28	2.837	34.170	27.302	27.303	31.970	36.522	40.966	45.305	79.19	241	1462.2
260	11	2.833	34.183	27.314	27.315	31.982	36.534	40.978	45.317	78.19	257	1462.2
280	0	2.833	34.200	27.328	27.329	31.996	36.549	40.992	45.331	76.96	273	1463.2
300	0	2.833	34.219	27.343	27.345	32.012	36.565	41.008	45.347	75.58	288	1463.2
320	0	2.833	34.248	27.366	27.368	32.034	36.587	41.030	45.368	73.57	307	1464.0
340	0	2.833	34.272	27.386	27.387	32.054	36.606	41.049	45.388	71.86	325	1464.4
360	0	2.833	34.334	27.431	27.434	32.099	36.650	41.092	45.430	67.81	343	1464.4
380	0	2.833	34.334	27.433	27.435	32.101	36.652	41.094	45.431	67.79	360	1465.4
400	0	2.833	34.358	27.452	27.455	32.120	36.671	41.113	45.451	66.11	377	1465.4
420	0	2.833	34.385	27.474	27.476	32.141	36.692	41.133	45.470	64.25	394	1466.2
440	0	2.833	34.405	27.488	27.491	32.155	36.703	41.146	45.483	63.04	410	1466.7
460	0	2.833	34.436	27.512	27.515	32.173	36.729	41.170	45.506	61.01	426	1467.3
480	0	2.833	34.470	27.537	27.540	32.193	36.752	41.192	45.528	59.00	447	1469.2
500	0	2.833	34.500	27.565	27.568	32.203	36.782	41.222	45.558	56.64	467	1470.9
520	0	2.833	34.533	27.590	27.593	32.237	36.807	41.247	45.583	54.56	484	1470.9
540	0	2.833	34.565	27.606	27.610	32.274	36.825	41.266	45.602	53.23	507	1471.3
560	0	2.833	34.575	27.627	27.631	32.295	36.846	41.287	45.624	51.55	527	1472.3
580	0	2.833	34.597	27.643	27.650	32.313	36.863	41.307	45.644	50.03	544	1473.2
600	0	2.833	34.618	27.662	27.667	32.332	36.883	41.324	45.661	48.72	561	1474.0
620	0	2.833	34.646	27.683	27.688	32.352	36.902	41.343	45.680	47.11	574	1475.0
640	0	2.833	34.658	27.692	27.697	32.361	36.910	41.351	45.687	46.61	594	1475.9
660	0	2.833	34.714	27.720	27.725	32.390	36.942	41.383	45.720	44.40	607	1477.4
680	0	2.833	34.733	27.740	27.748	32.414	36.963	41.407	45.745	42.80	625	1479.9
700	0	2.833	34.748	27.774	27.782	32.449	37.003	41.446	45.786	41.45	646	1482.5
720	0	2.833	34.760	27.788	27.796	32.465	37.019	41.464	45.805	40.60	666	1485.2
740	0	2.833	34.762	27.798	27.806	32.478	37.036	41.484	45.827	39.71	686	1487.7
760	0	2.833	34.770	27.806	27.816	32.489	37.047	41.497	45.841	38.83	707	1489.9
780	0	2.833	34.769	27.813	27.822	32.498	37.060	41.511	45.858	38.33	727	1491.5
800	0	2.833	34.767	27.819	27.828	32.507	37.071	41.526	45.875	37.79	747	1493.1
820	0	2.833	34.763	27.822	27.832	32.514	37.081	41.537	45.889	37.23	767	1494.8
840	0	2.833	34.757	27.823	27.836	32.520	37.090	41.550	45.904	36.87	787	1496.4
860	0	2.833	34.750	27.829	27.840	32.528	37.102	41.555	45.923	36.41	807	1498.0
880	0	2.833	34.747	27.833	27.844	32.535	37.112	41.558	45.938	36.11	827	1500.4
900	0	2.833	34.745	27.836	27.848	32.541	37.119	41.558	45.950	35.77	847	1502.8
920	0	2.833	34.741	27.838	27.850	32.546	37.126	41.566	45.961	35.43	867	1505.1
940	0	2.833	34.737	27.840	27.852	32.550	37.133	41.569	45.972	35.16	887	1507.5
960	0	2.833	34.729	27.840	27.852	32.553	37.139	41.574	45.984	34.77	907	1509.9
980	0	2.833	34.726	27.841	27.854	32.557	37.145	41.582	45.993	34.43	927	1512.3
1000	0	2.833	34.728	27.846	27.859	32.563	37.153	41.591	46.004	34.02	947	1514.7
1020	0	2.833	34.720	27.845	27.858	32.565	37.157	41.608	46.013	33.77	967	1517.1
1040	0	2.833	34.714	27.847	27.861	32.572	37.167	41.651	46.030	33.29	987	1519.5
1060	0	2.833	34.714	27.850	27.864	32.576	37.173	41.659	46.039	31.79	1007	1521.9

DE	TEMP	THETA	SAL	OXY	SIL	PO4	SGM-T	SGM-O	SGM-2	SGM-4	FLAG
14	3.14	3.14	33.846	7.41	9.9	1.68	26.97	26.97	36.14	44.89	A1
34	3.06	3.06	33.846	7.36	9.9	1.68	26.97	26.97	36.14	44.89	
54	2.98	2.98	33.846	7.36	9.9	1.68	26.97	26.97	36.14	44.89	
74	2.90	2.90	33.846	7.36	9.9	1.68	26.97	26.97	36.14	44.89	
94	2.82	2.82	33.846	7.36	9.9	1.68	26.97	26.97	36.14	44.89	
114	2.74	2.74	33.846	7.36	9.9	1.68	26.97	26.97	36.14	44.89	
134	2.66	2.66	33.846	7.36	9.9	1.68	26.97	26.97	36.14	44.89	
154	2.58	2.58	33.846	7.36	9.9	1.68	26.97	26.97	36.14	44.89	
174	2.50	2.50	33.846	7.36	9.9	1.68	26.97	26.97	36.14	44.89	
194	2.42	2.42	33.846	7.36	9.9	1.68	26.97	26.97	36.14	44.89	
214	2.34	2.34	33.846	7.36	9.9	1.68	26.97	26.97	36.14	44.89	
234	2.26	2.26	33.846	7.36	9.9	1.68	26.97	26.97	36.14	44.89	
254	2.18	2.18	33.846	7.36	9.9	1.68	26.97	26.97	36.14	44.89	
274	2.10	2.10	33.846	7.36	9.9	1.68	26.97	26.97	36.14	44.89	
294	2.02	2.02	33.846	7.36	9.9	1.68	26.97	26.97	36.14	44.89	
314	1.94	1.94	33.846	7.36	9.9	1.68	26.97	26.97	36.14	44.89	
334	1.86	1.86	33.846	7.36	9.9	1.68	26.97	26.97	36.14	44.89	
354	1.78	1.78	33.846	7.36	9.9	1.68	26.97	26.97	36.14	44.89	
374	1.70	1.70	33.846	7.36	9.9	1.68	26.97	26.97	36.14	44.89	
394	1.62	1.62	33.846	7.36	9.9	1.68	26.97	26.97	36.14	44.89	
414	1.54	1.54	33.846	7.36	9.9	1.68	26.97	26.97	36.14	44.89	
434	1.46	1.46	33.846	7.36	9.9	1.68	26.97	26.97	36.14	44.89	
454	1.38	1.38	33.846	7.36	9.9	1.68	26.97	26.97	36.14	44.89	
474	1.30	1.30	33.846	7.36	9.9	1.68	26.97	26.97	36.14	44.89	
494	1.22	1.22	33.846	7.36	9.9	1.68	26.97	26.97	36.14	44.89	
514	1.14	1.14	33.846	7.36	9.9	1.68	26.97	26.97	36.14	44.89	
534	1.06	1.06	33.846	7.36	9.9	1.68	26.97	26.97	36.14	44.89	
554	0.98	0.98	33.846	7.36	9.9	1.68	26.97	26.97	36.14	44.89	
574	0.90	0.90	33.846	7.36	9.9	1.68	26.97	26.97	36.14	44.89	
594	0.82	0.82	33.846	7.36	9.9	1.68	26.97	26.97	36.14	44.89	
614	0.74	0.74	33.846	7.36	9.9	1.68	26.97	26.97	36.14	44.89	
634	0.66	0.66	33.846	7.36	9.9	1.68	26.97	26.97	36.14	44.89	
654	0.58	0.58	33.846	7.36	9.9	1.68	26.97	26.97	36.14	44.89	
674	0.50	0.50	33.846	7.36	9.9	1.68	26.97	26.97	36.14	44.89	
694	0.42	0.42	33.846	7.36	9.9	1.68	26.97	26.97	36.14	44.89	
714	0.34	0.34	33.846	7.36	9.9	1.68	26.97	26.97	36.14	44.89	
734	0.26	0.26	33.846	7.36	9.9	1.68	26.97	26.97	36.14	44.89	
754	0.18	0.18	33.846	7.36	9.9	1.68	26.97	26.97	36.14	44.89	
774	0.10	0.10	33.846	7.36	9.9	1.68	26.97	26.97	36.14	44.89	
794	0.02	0.02	33.846	7.36	9.9	1.68	26.97	26.97	36.14	44.89	
814	0.00	0.00	33.846	7.36	9.9	1.68	26.97	26.97	36.14	44.89	
834	0.00	0.00	33.846	7.36	9.9	1.68	26.97	26.97	36.14	44.89	

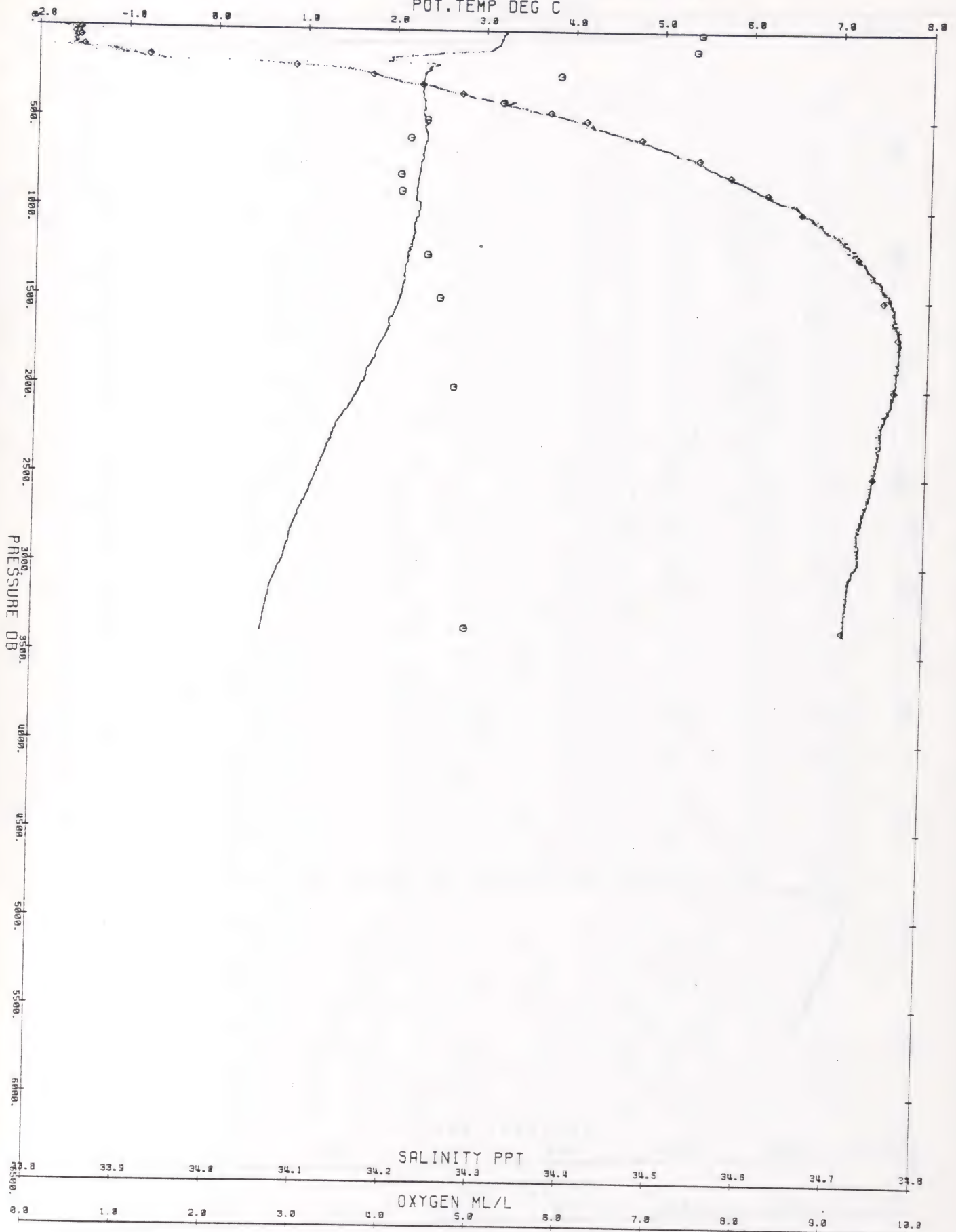
1011

ST 41

LAT -48.680

LONG 13.146

POT. TEMP DEG C





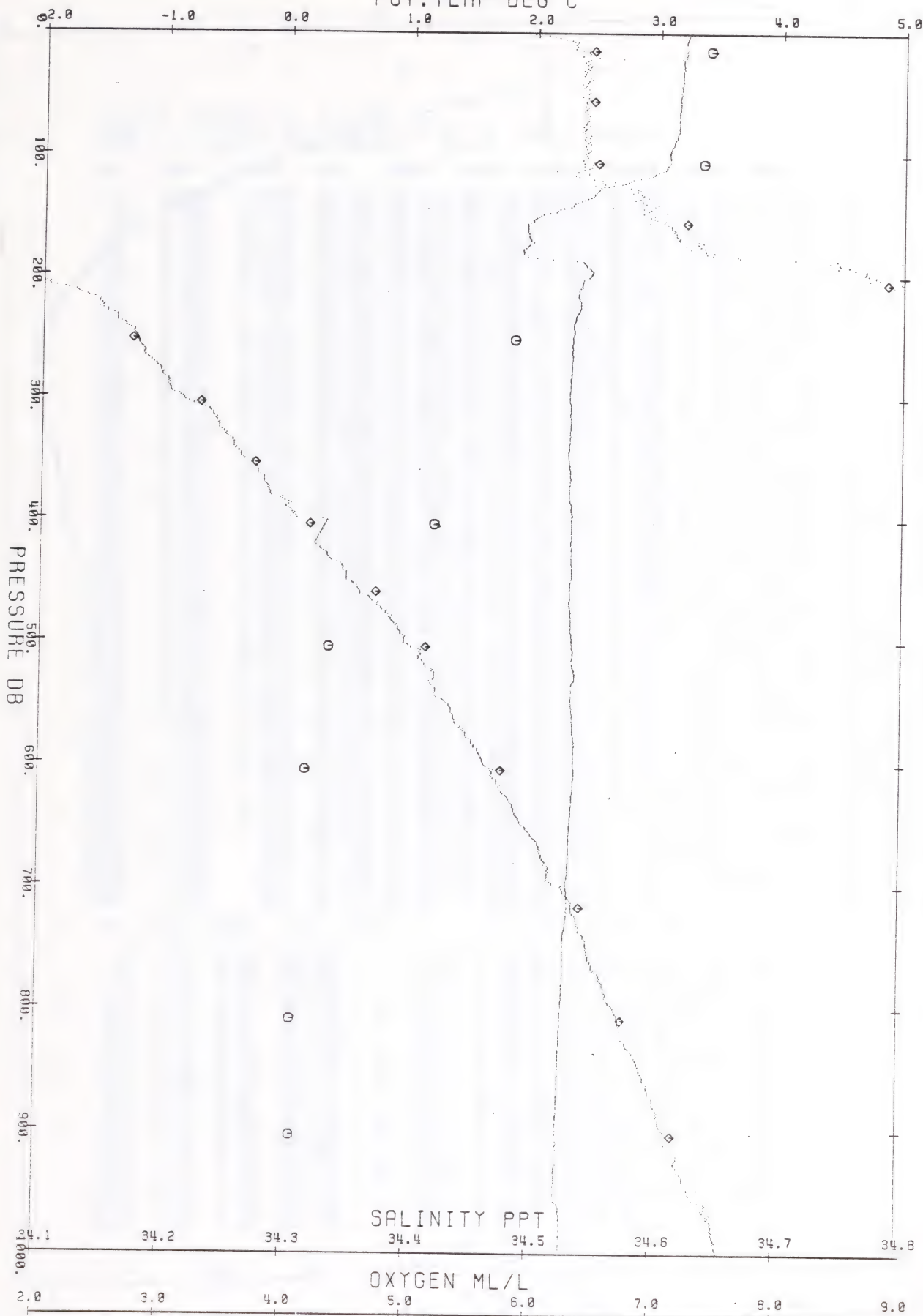
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ST 41

LAT -48.680

LONG 13.146

POT. TEMP DEG C

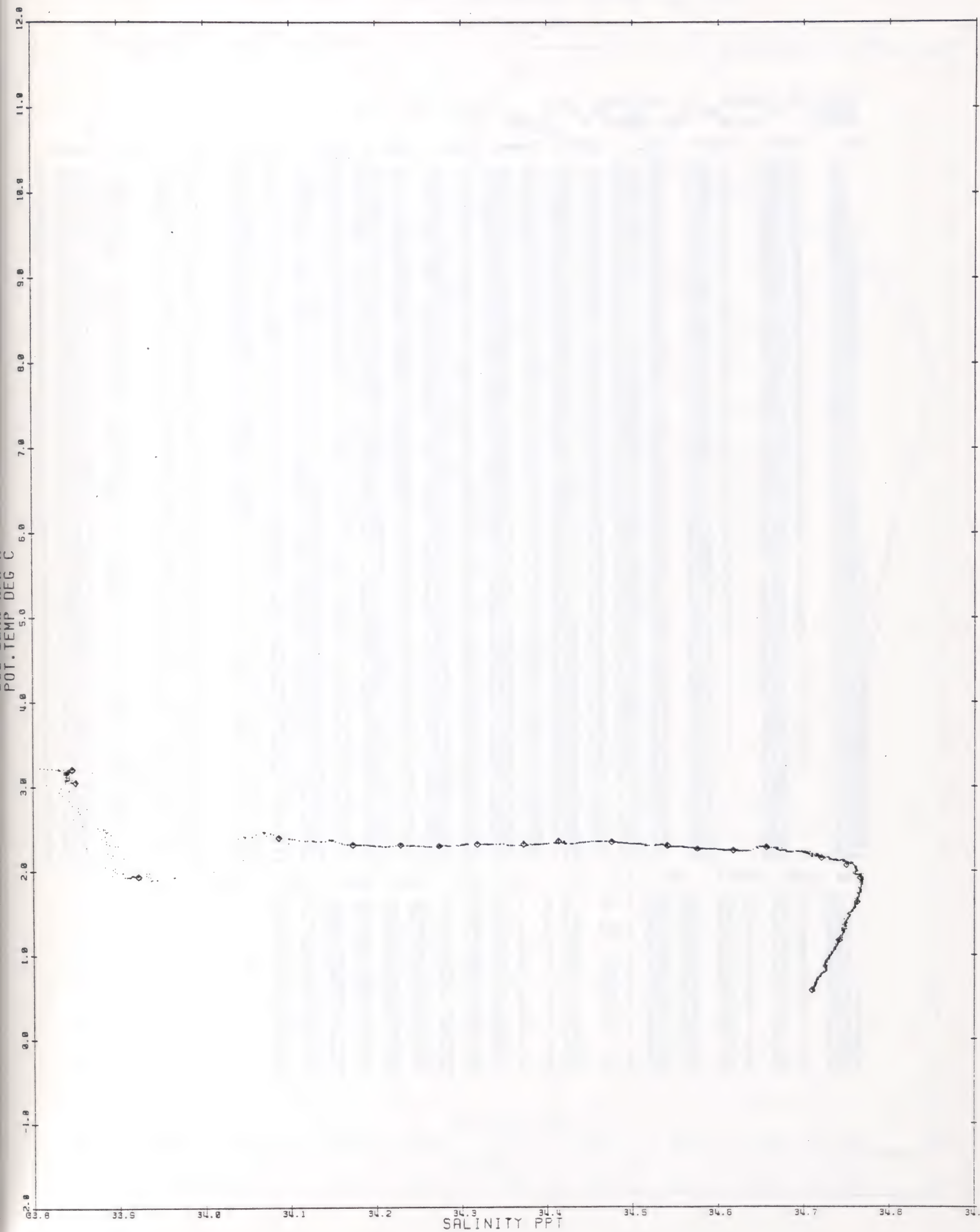


1011

ST 41

LAT -48.680

LONG 13.146





SHIP ID CRUISE 11 STATION 42  
 START = 49 60 S 13 28.20 E AT 100 76/12/13  
 WIND = 12M/S COR. DEPTH = 4673M

DE	TEMP	THETA	SAL	SGM-T	SGM-O	SGM-1	SGM-2	SGM-3	SGM-4	AN	HZ	SVEL
0	875	875	33.857	26.913	26.913	31.539	36.053	40.459	44.762	114.96	.000	1464.8
20	874	872	33.850	26.907	26.907	31.534	36.048	40.454	44.757	115.659	.023	1465.1
40	875	872	33.850	26.907	26.907	31.534	36.048	40.454	44.757	115.882	.046	1465.4
60	816	812	33.844	26.908	26.908	31.537	36.052	40.460	44.765	115.899	.069	1465.5
80	700	699	33.848	26.922	26.922	31.555	36.073	40.484	44.791	114.64	.092	1465.4
100	363	356	33.853	26.959	26.959	31.600	36.128	40.547	44.862	111.27	.115	1464.4
120	103	096	33.888	26.011	26.012	31.659	36.193	40.619	44.940	106.41	.137	1463.3
140	938	930	33.914	26.047	26.047	31.699	36.237	40.667	44.992	103.09	.158	1462.0
160	814	804	33.975	26.106	26.107	31.762	36.303	40.735	45.063	97.51	.178	1460.0
180	977	965	33.4.062	26.159	26.160	31.809	36.345	40.772	45.095	92.71	.197	1458.4
200	882	868	33.4.119	26.206	26.207	31.857	36.392	40.819	45.142	88.40	.215	1456.4
220	791	777	33.4.143	26.41	26.41	31.897	36.417	40.847	45.172	83.97	.232	1454.4
240	661	646	33.4.147	26.56	26.56	31.915	36.437	40.869	45.196	79.37	.249	1452.4
260	643	626	33.4.162	26.70	26.70	31.929	36.459	40.894	45.225	74.79	.266	1450.4
280	490	473	33.4.171	26.82	26.82	31.943	36.474	40.909	45.240	70.21	.283	1448.4
300	390	371	33.4.190	26.301	26.302	31.966	36.510	40.947	45.281	65.63	.300	1446.4
320	321	301	33.4.210	26.336	26.337	31.988	36.530	40.968	45.303	61.05	.317	1444.4
340	255	236	33.4.236	26.351	26.353	32.011	36.568	41.010	45.347	56.46	.334	1442.4
360	188	168	33.4.264	26.370	26.372	32.036	36.586	41.026	45.362	51.87	.351	1440.4
380	121	101	33.4.307	26.400	26.402	32.064	36.613	41.044	45.381	47.28	.368	1438.4
400	56	36	33.4.334	26.418	26.421	32.081	36.628	41.051	45.399	42.69	.385	1436.4
420	0	0	33.4.371	26.451	26.454	32.114	36.664	41.066	45.436	38.10	.402	1434.4
440	0	0	33.4.424	26.488	26.491	32.150	36.696	41.102	45.464	33.51	.419	1432.4
460	0	0	33.4.454	26.517	26.520	32.181	36.728	41.132	45.499	28.92	.436	1430.4
480	0	0	33.4.493	26.544	26.548	32.207	36.752	41.166	45.520	24.33	.453	1428.4
500	0	0	33.4.518	26.563	26.567	32.230	36.770	41.188	45.538	19.74	.470	1426.4
520	0	0	33.4.556	26.599	26.604	32.263	36.811	41.227	45.560	15.15	.487	1424.4
540	0	0	33.4.588	26.634	26.639	32.300	36.847	41.264	45.583	10.56	.504	1422.4
560	0	0	33.4.621	26.652	26.657	32.330	36.865	41.284	45.599	6.97	.521	1420.4
580	0	0	33.4.658	26.682	26.688	32.374	36.896	41.330	45.636	3.38	.538	1418.4
600	0	0	33.4.683	26.703	26.710	32.402	36.919	41.357	45.650	0.79	.555	1416.4
620	0	0	33.4.715	26.731	26.739	32.443	36.948	41.387	45.670	0.20	.572	1414.4
640	0	0	33.4.753	26.769	26.778	32.489	36.968	41.409	45.684	0.61	.589	1412.4
660	0	0	33.4.769	26.783	26.792	32.523	36.983	41.435	45.697	0.02	.606	1410.4
680	0	0	33.4.777	26.801	26.811	32.557	36.994	41.452	45.709	0.43	.623	1408.4
700	0	0	33.4.781	26.812	26.822	32.584	37.004	41.466	45.720	0.84	.640	1406.4
720	0	0	33.4.774	26.819	26.827	32.611	37.016	41.481	45.731	1.25	.657	1404.4
740	0	0	33.4.770	26.826	26.834	32.637	37.028	41.495	45.742	1.66	.674	1402.4
760	0	0	33.4.770	26.836	26.841	32.663	37.039	41.500	45.753	2.07	.691	1400.4
780	0	0	33.4.757	26.830	26.837	32.689	37.049	41.516	45.764	2.48	.708	1398.4
800	0	0	33.4.750	26.830	26.837	32.715	37.060	41.532	45.777	2.89	.725	1396.4
820	0	0	33.4.745	26.836	26.841	32.741	37.071	41.548	45.790	3.30	.742	1394.4
840	0	0	33.4.740	26.841	26.846	32.767	37.082	41.564	45.803	3.71	.759	1392.4
860	0	0	33.4.735	26.846	26.851	32.793	37.093	41.580	45.816	4.12	.776	1390.4
880	0	0	33.4.734	26.842	26.847	32.819	37.104	41.596	45.829	4.53	.793	1388.4
900	0	0	33.4.729	26.843	26.848	32.845	37.115	41.612	45.842	4.94	.810	1386.4
920	0	0	33.4.719	26.845	26.850	32.871	37.126	41.627	45.855	5.35	.827	1384.4
940	0	0	33.4.717	26.848	26.853	32.897	37.137	41.643	45.868	5.76	.844	1382.4
960	0	0	33.4.711	26.849	26.854	32.923	37.148	41.659	45.881	6.17	.861	1380.4
980	0	0	33.4.706	26.850	26.855	32.949	37.159	41.675	45.894	6.58	.878	1378.4
1000	0	0	33.4.704	26.851	26.856	32.975	37.170	41.691	45.907	6.99	.895	1376.4
1020	0	0	33.4.704	26.851	26.856	32.999	37.181	41.707	45.920	7.40	.912	1374.4
1040	0	0	33.4.701	26.851	26.856	33.025	37.192	41.723	45.933	7.81	.929	1372.4
1060	0	0	33.4.701	26.851	26.856	33.051	37.203	41.739	45.946	8.22	.946	1370.4
1080	0	0	33.4.700	26.851	26.856	33.077	37.214	41.755	45.959	8.63	.963	1368.4

DE	TEMP	THETA	SAL	OXY	SIL	PO4	SGM-T	SGM-O	SGM-2	SGM-4	FLAG
37	875	875	33.854	7.32	8.3	1.06	26.91	26.91	36.05	44.76	
60	875	875	33.854	7.15	10.4	1.43	26.91	26.91	36.05	44.76	
100	875	875	33.854	6.81	14.9	1.64	26.91	26.91	36.05	44.76	
140	875	875	33.854	6.21	27.7	1.90	26.91	26.91	36.05	44.76	
180	875	875	33.854	5.59	35.5	2.19	26.91	26.91	36.05	44.76	
220	875	875	33.854	4.81	45.1	2.48	26.91	26.91	36.05	44.76	
260	875	875	33.854	3.99	55.5	2.77	26.91	26.91	36.05	44.76	
300	875	875	33.854	3.11	68.1	3.06	26.91	26.91	36.05	44.76	
340	875	875	33.854	2.11	82.1	3.35	26.91	26.91	36.05	44.76	
380	875	875	33.854	1.01	97.7	3.64	26.91	26.91	36.05	44.76	
420	875	875	33.854	0.01	113.1	3.93	26.91	26.91	36.05	44.76	
460	875	875	33.854	0.01	128.5	4.22	26.91	26.91	36.05	44.76	
500	875	875	33.854	0.01	143.9	4.51	26.91	26.91	36.05	44.76	
540	875	875	33.854	0.01	159.3	4.80	26.91	26.91	36.05	44.76	
580	875	875	33.854	0.01	174.7	5.09	26.91	26.91	36.05	44.76	
620	875	875	33.854	0.01	190.1	5.38	26.91	26.91	36.05	44.76	
660	875	875	33.854	0.01	205.5	5.67	26.91	26.91	36.05	44.76	
700	875	875	33.854	0.01	220.9	5.96	26.91	26.91	36.05	44.76	
740	875	875	33.854	0.01	236.3	6.25	26.91	26.91	36.05	44.76	
780	875	875	33.854	0.01	251.7	6.54	26.91	26.91	36.05	44.76	
820	875	875	33.854	0.01	267.1	6.83	26.91	26.91	36.05	44.76	
860	875	875	33.854	0.01	282.5	7.12	26.91	26.91	36.05	44.76	
900	875	875	33.854	0.01	297.9	7.41	26.91	26.91	36.05	44.76	
940	875	875	33.854	0.01	313.3	7.70	26.91	26.91	36.05	44.76	
980	875	875	33.854	0.01	328.7	7.99	26.91	26.91	36.05	44.76	
1000	875	875	33.854	0.01	344.1	8.28	26.91	26.91	36.05	44.76	

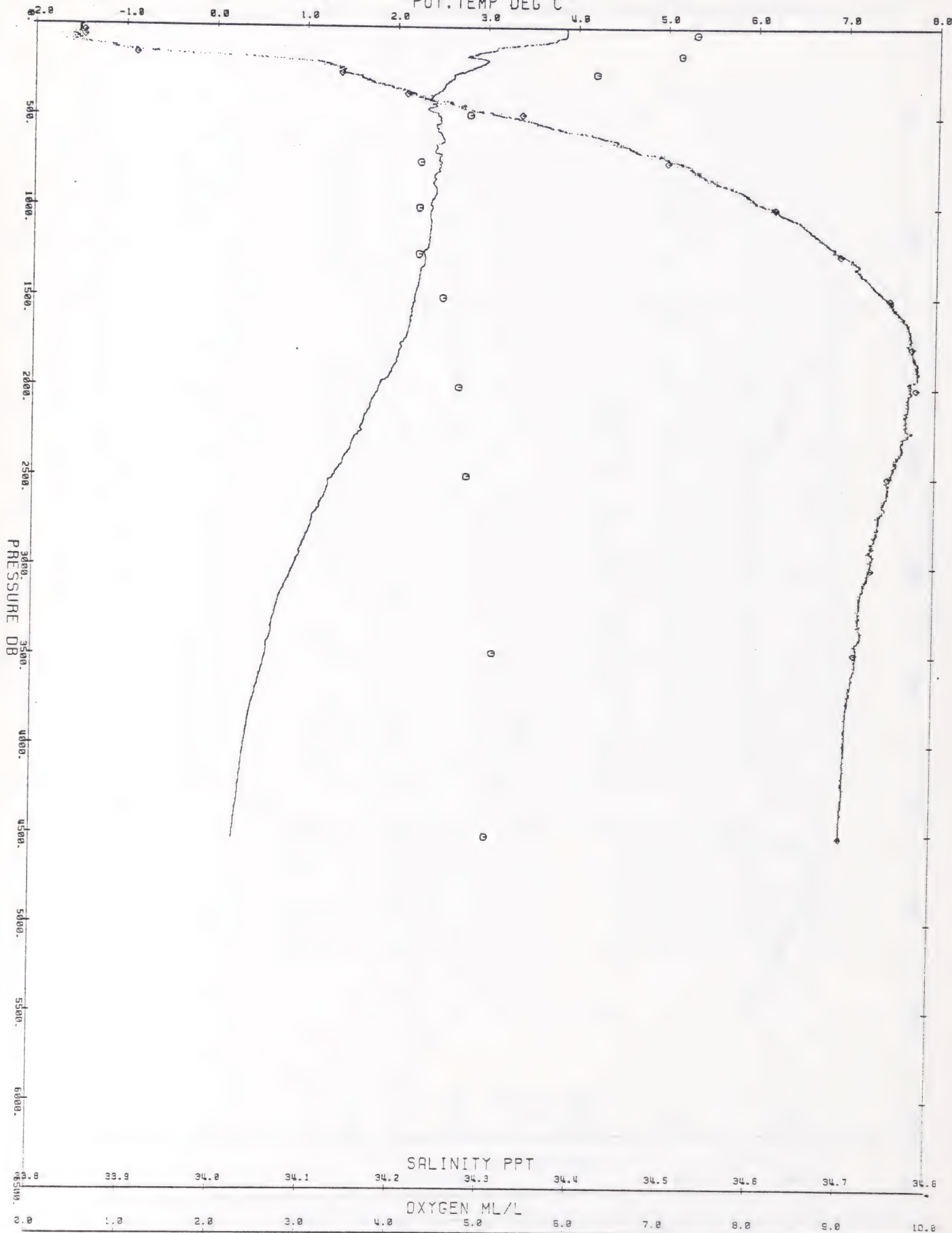
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ST 42

LAT -48.994

LONG 13.282

POT. TEMP DEG C





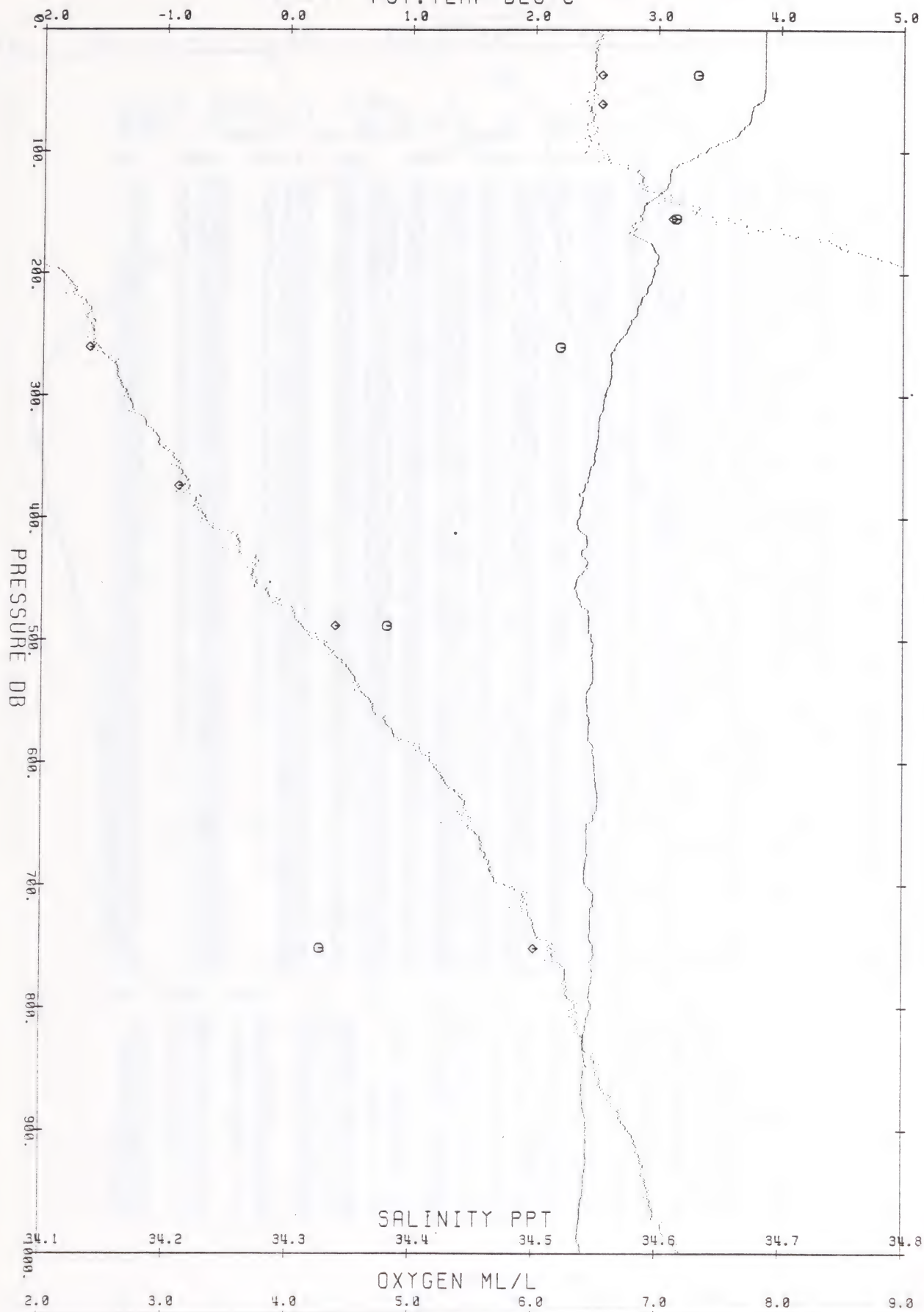
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ST 42

LAT -48.994

LONG 13.282

POT. TEMP DEG C

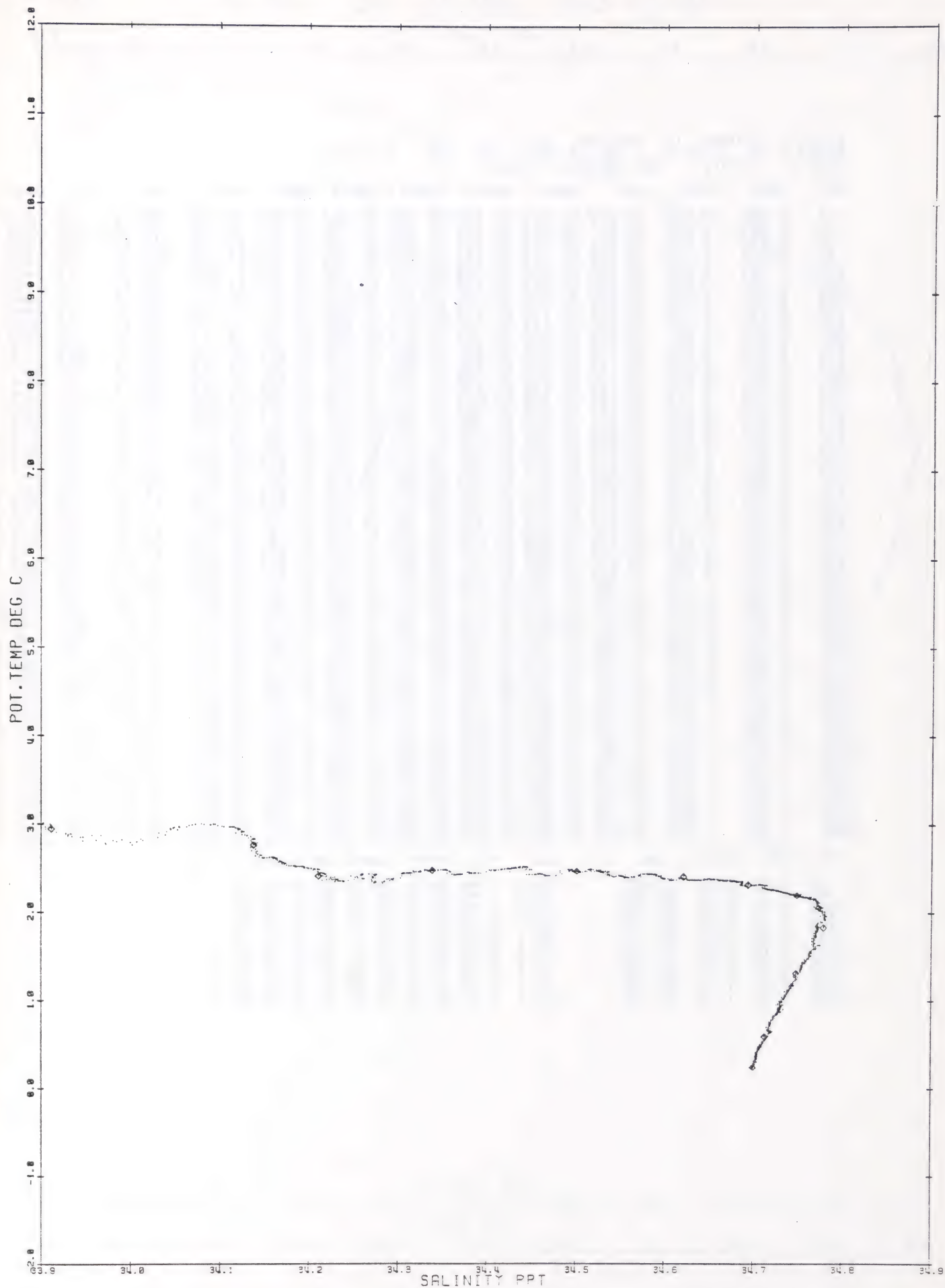


1011

ST 42

LAT -48.994

LONG 13.282





SHIP ID CRUISE 11 STATION 43  
START = 48 34 60 S 13 39.70 E AT 818 76/12/13  
WIND = 15M/S COR. DEPTH = 4379M

DE	TEMP	THETA	SAL	SGM-T	SGM-O	SGM-1	SGM-2	SGM-3	SGM-4	AN	HZ	SVEL
0	3.950	3.950	33.758	26.826	26.827	31.452	35.965	40.370	44.672	123.13	.000	1465.0
20	3.860	3.858	33.847	26.906	26.906	31.533	36.048	40.454	44.757	115.77	.024	1465.0
40	3.854	3.851	33.845	26.905	26.906	31.533	36.048	40.454	44.758	115.99	.047	1465.3
60	3.770	3.766	33.845	26.913	26.914	31.543	36.060	40.469	44.775	115.40	.070	1465.3
80	3.369	3.364	33.849	26.955	26.956	31.596	36.123	40.542	44.858	111.47	.093	1463.9
100	3.269	3.262	33.853	26.968	26.969	31.612	36.142	40.563	44.881	110.38	.115	1463.9
120	3.194	3.187	33.853	26.975	26.976	31.621	36.153	40.576	44.896	109.84	.137	1463.9
140	3.893	3.884	33.882	27.025	27.025	31.679	36.218	40.649	44.976	105.15	.159	1462.7
160	3.754	3.745	33.931	27.076	27.077	31.734	36.277	40.711	45.041	100.34	.179	1462.7
180	3.744	3.733	33.931	27.121	27.122	31.779	36.322	40.756	45.086	96.17	.199	1463.7
200	3.896	3.884	34.058	27.165	27.166	31.818	36.366	40.786	45.111	92.24	.218	1464.2
220	3.925	3.911	34.112	27.206	27.207	31.857	36.395	40.823	45.147	88.55	.236	1464.4
240	3.915	3.900	34.128	27.228	27.230	31.883	36.423	40.854	45.181	86.46	.253	1464.6
260	3.711	3.695	34.142	27.248	27.250	31.906	36.449	40.882	45.212	84.62	.270	1464.5
280	3.596	3.579	34.140	27.256	27.258	31.918	36.463	40.900	45.233	83.90	.287	1464.3
300	4.73	4.55	34.150	27.275	27.277	31.940	36.489	40.928	45.264	82.14	.304	1464.1
325	4.34	4.15	34.165	27.290	27.292	31.955	36.505	40.946	45.283	80.85	.324	1464.4
350	4.08	3.87	34.177	27.302	27.304	31.968	36.519	40.961	45.298	79.81	.344	1464.7
375	3.75	3.52	34.216	27.319	27.321	31.981	36.527	40.963	45.306	78.48	.364	1465.9
400	4.92	4.69	34.228	27.335	27.337	31.999	36.547	40.986	45.321	77.02	.383	1466.4
425	4.87	4.74	34.228	27.351	27.353	32.016	36.564	41.003	45.337	75.63	.403	1466.9
450	5.01	4.76	34.228	27.377	27.379	32.041	36.588	41.027	45.361	74.48	.421	1466.9
475	5.04	4.58	34.296	27.391	27.393	32.055	36.603	41.041	45.376	72.35	.440	1467.3
500	4.76	4.42	34.340	27.427	27.430	32.091	36.639	41.078	45.412	69.21	.458	1468.8
550	4.59	4.23	34.364	27.447	27.450	32.112	36.660	41.099	45.434	67.55	.473	1469.3
600	4.87	4.47	34.416	27.486	27.490	32.151	36.698	41.136	45.469	64.20	.493	1470.3
650	4.56	4.13	34.452	27.518	27.521	32.183	36.731	41.169	45.503	61.48	.512	1471.1
700	4.61	4.14	34.478	27.538	27.542	32.204	36.751	41.189	45.523	59.83	.529	1472.1
750	4.39	3.89	34.507	27.563	27.567	32.239	36.777	41.216	45.550	57.75	.545	1472.8
800	4.43	3.89	34.536	27.586	27.591	32.262	36.800	41.238	45.572	55.97	.560	1473.7
850	4.76	4.18	34.559	27.602	27.607	32.287	36.814	41.251	45.585	54.76	.575	1474.7
900	4.91	4.33	34.586	27.621	27.627	32.308	36.833	41.270	45.603	53.22	.588	1475.6
950	4.87	4.26	34.607	27.638	27.644	32.330	36.850	41.287	45.620	51.92	.601	1476.4
1000	4.87	4.26	34.633	27.659	27.671	32.332	36.880	41.319	45.653	49.88	.612	1477.9
1100	4.51	3.71	34.671	27.692	27.699	32.360	36.907	41.345	45.679	47.91	.621	1479.7
1200	3.93	3.06	34.696	27.718	27.725	32.388	36.937	41.376	45.711	45.91	.631	1481.1
1300	3.67	2.72	34.720	27.739	27.747	32.410	36.959	41.399	45.735	44.44	.644	1482.4
1400	3.42	2.40	34.738	27.756	27.764	32.429	36.978	41.419	45.755	43.31	.657	1484.4
1500	3.23	2.12	34.757	27.772	27.781	32.446	36.997	41.438	45.775	42.23	.671	1486.6
1600	3.60	1.42	34.765	27.784	27.793	32.460	37.012	41.456	45.794	41.43	.681	1487.5
1700	3.54	1.30	34.766	27.793	27.803	32.473	37.028	41.474	45.816	40.59	.691	1488.7
1800	3.07	0.72	34.768	27.801	27.812	32.484	37.042	41.491	45.834	39.90	.701	1490.1
1900	3.05	0.57	34.780	27.813	27.824	32.497	37.053	41.504	45.848	39.23	.711	1491.7
2000	3.00	0.50	34.789	27.821	27.832	32.506	37.067	41.517	45.863	38.71	.721	1493.2
2100	3.00	0.50	34.789	27.821	27.832	32.506	37.067	41.517	45.863	38.27	.731	1494.4
2200	3.00	0.50	34.789	27.821	27.832	32.506	37.067	41.517	45.863	37.70	.741	1495.8
2300	3.00	0.50	34.789	27.821	27.832	32.506	37.067	41.517	45.863	37.34	.751	1497.3
2400	3.00	0.50	34.789	27.821	27.832	32.506	37.067	41.517	45.863	36.89	.761	1498.8
2500	3.00	0.50	34.789	27.821	27.832	32.506	37.067	41.517	45.863	36.63	.771	1500.1
2600	3.00	0.50	34.789	27.821	27.832	32.506	37.067	41.517	45.863	36.45	.781	1501.7
2700	3.00	0.50	34.789	27.821	27.832	32.506	37.067	41.517	45.863	36.31	.791	1503.2
2800	3.00	0.50	34.789	27.821	27.832	32.506	37.067	41.517	45.863	36.20	.801	1504.7
2900	3.00	0.50	34.789	27.821	27.832	32.506	37.067	41.517	45.863	36.11	.811	1506.2
3000	3.00	0.50	34.789	27.821	27.832	32.506	37.067	41.517	45.863	36.00	.821	1507.7
3100	3.00	0.50	34.789	27.821	27.832	32.506	37.067	41.517	45.863	35.97	.831	1509.2
3200	3.00	0.50	34.789	27.821	27.832	32.506	37.067	41.517	45.863	35.94	.841	1510.7
3300	3.00	0.50	34.789	27.821	27.832	32.506	37.067	41.517	45.863	35.91	.851	1512.2
3400	3.00	0.50	34.789	27.821	27.832	32.506	37.067	41.517	45.863	35.88	.861	1513.7
3500	3.00	0.50	34.789	27.821	27.832	32.506	37.067	41.517	45.863	35.85	.871	1515.2
3600	3.00	0.50	34.789	27.821	27.832	32.506	37.067	41.517	45.863	35.82	.881	1516.7
3700	3.00	0.50	34.789	27.821	27.832	32.506	37.067	41.517	45.863	35.79	.891	1518.2
3800	3.00	0.50	34.789	27.821	27.832	32.506	37.067	41.517	45.863	35.76	.901	1519.7
3900	3.00	0.50	34.789	27.821	27.832	32.506	37.067	41.517	45.863	35.73	.911	1521.2
4000	3.00	0.50	34.789	27.821	27.832	32.506	37.067	41.517	45.863	35.70	.921	1522.7
4100	3.00	0.50	34.789	27.821	27.832	32.506	37.067	41.517	45.863	35.67	.931	1524.2
4200	3.00	0.50	34.789	27.821	27.832	32.506	37.067	41.517	45.863	35.64	.941	1525.7
4300	3.00	0.50	34.789	27.821	27.832	32.506	37.067	41.517	45.863	35.61	.951	1527.2
4400	3.00	0.50	34.789	27.821	27.832	32.506	37.067	41.517	45.863	35.58	.961	1528.7
4500	3.00	0.50	34.789	27.821	27.832	32.506	37.067	41.517	45.863	35.55	.971	1530.2
4600	3.00	0.50	34.789	27.821	27.832	32.506	37.067	41.517	45.863	35.52	.981	1531.7
4700	3.00	0.50	34.789	27.821	27.832	32.506	37.067	41.517	45.863	35.49	.991	1533.2
4800	3.00	0.50	34.789	27.821	27.832	32.506	37.067	41.517	45.863	35.46	.001	1534.7
4900	3.00	0.50	34.789	27.821	27.832	32.506	37.067	41.517	45.863	35.43	.011	1536.2
5000	3.00	0.50	34.789	27.821	27.832	32.506	37.067	41.517	45.863	35.40	.021	1537.7
5100	3.00	0.50	34.789	27.821	27.832	32.506	37.067	41.517	45.863	35.37	.031	1539.2
5200	3.00	0.50	34.789	27.821	27.832	32.506	37.067	41.517	45.863	35.34	.041	1540.7
5300	3.00	0.50	34.789	27.821	27.832	32.506	37.067	41.517	45.863	35.31	.051	1542.2
5400	3.00	0.50	34.789	27.821	27.832	32.506	37.067	41.517	45.863	35.28	.061	1543.7
5500	3.00	0.50	34.789	27.821	27.832	32.506	37.067	41.517	45.863	35.25	.071	1545.2
5600	3.00	0.50	34.789	27.821	27.832	32.506	37.067	41.517	45.863	35.22	.081	1546.7
5700	3.00	0.50	34.789	27.821	27.832	32.506	37.067	41.517	45.863	35.19	.091	1548.2
5800	3.00	0.50	34.789	27.821	27.832	32.506	37.067	41.517	45.863	35.16	.101	1549.7
5900	3.00	0.50	34.789	27.821	27.832	32.506	37.067	41.517	45.863	35.13	.111	1551.2
6000	3.00	0.50	34.789	27.821	27.832	32.506	37.067	41.517	45.863	35.10	.121	1552.7
6100	3.00	0.50	34.789	27.821	27.832	32.506	37.067	41.517	45.863	35.07	.131	1554.2
6200	3.00	0.50	34.789	27.821	27.832	32.506	37.067	41.517	45.863	35.04	.141	1555.7
6300	3.00	0.50	34.789	27.821	27.832	32.506	37.067	41.517	45.863	35.01	.151	1557.2
6400	3.00	0.50	34.789	27.821	27.832	32.506	37.067	41.517	45.863	34.98	.161	1558.7
6500	3.00	0.50	34.789	27.821	27.832	32.506	37.067	41.517				

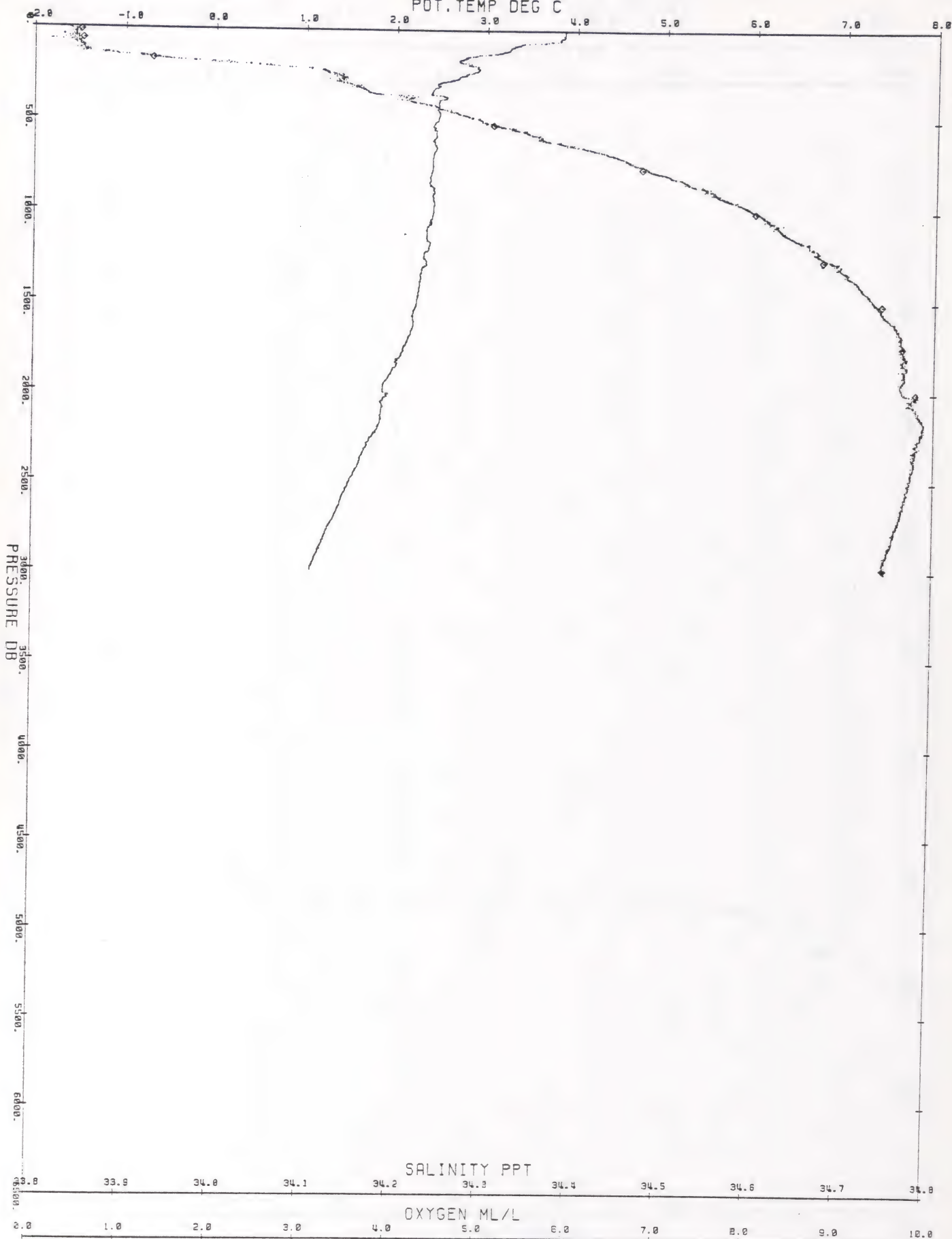
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ST 43

LAT -47.654

LONG 13.397

POT. TEMP DEG C





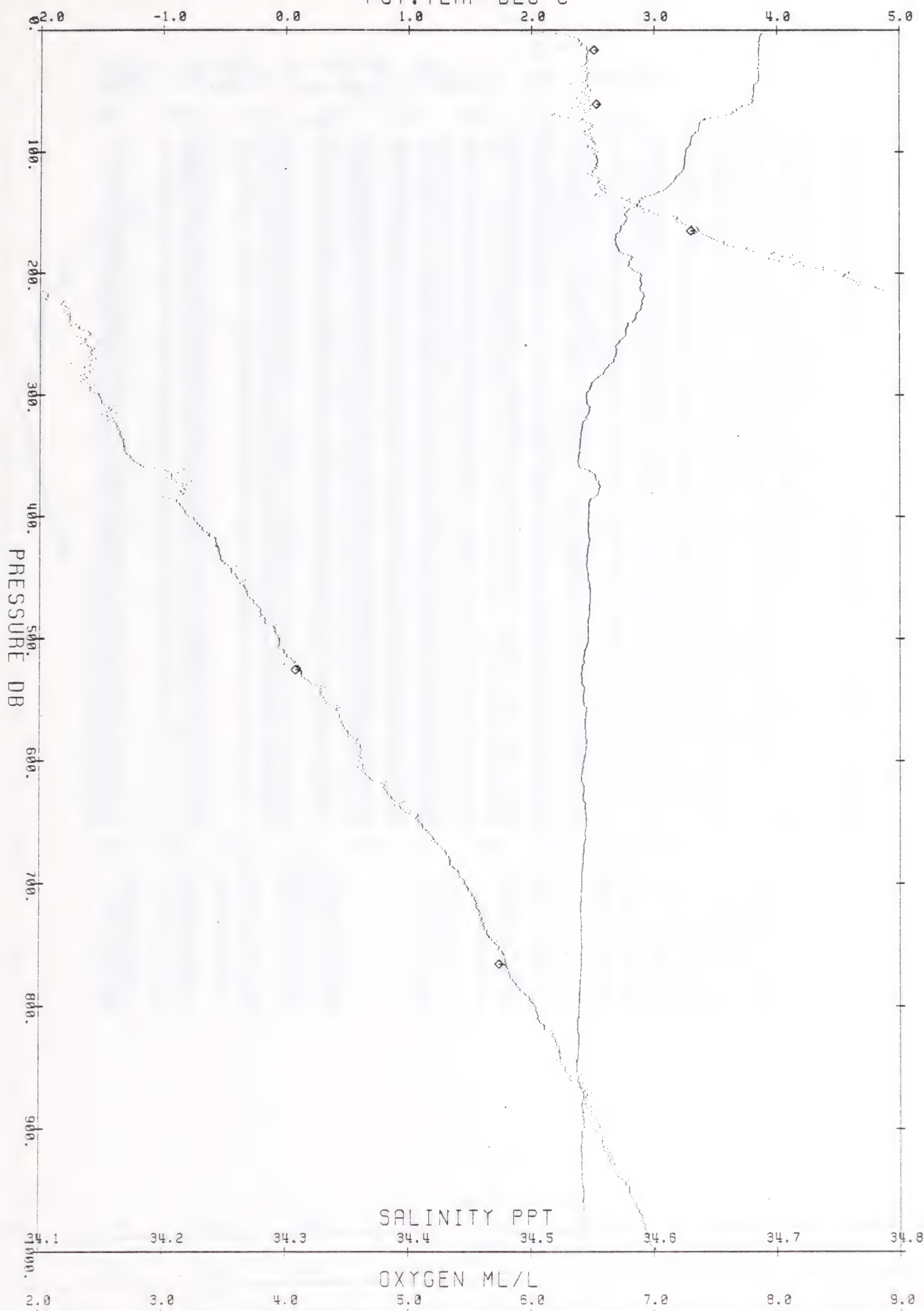
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ST 43

LAT -47.654

LONG 13.397

POT. TEMP DEG C

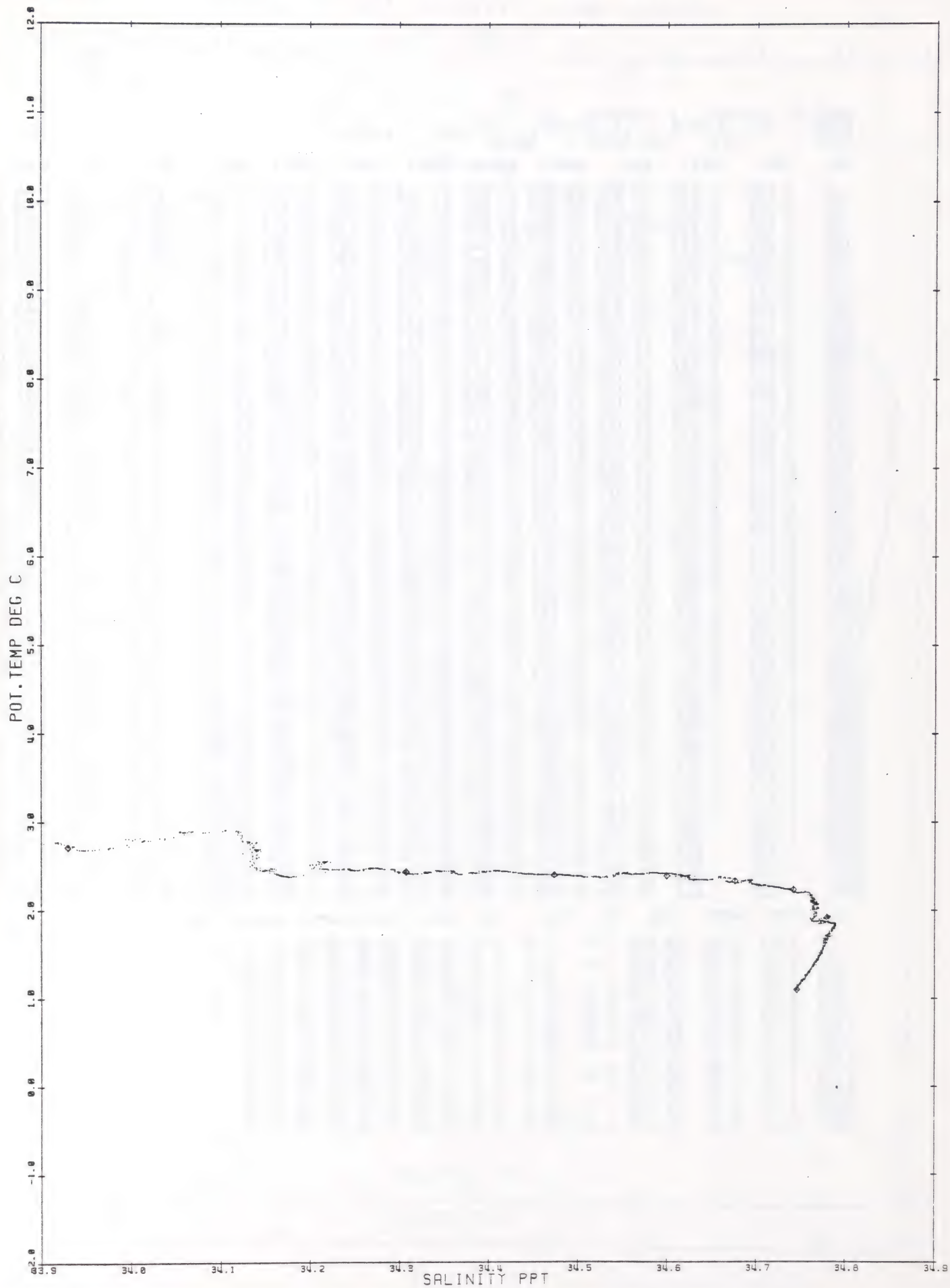


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ST 43

LAT -47.654

LONG 13.397





SHIP ID CRUISE 11 STATION 44  
 START 48 2.90 S 13.49.90 E AT 1956 76/12/13  
 WIND = 9M/S COR. DEPTH = 4351M

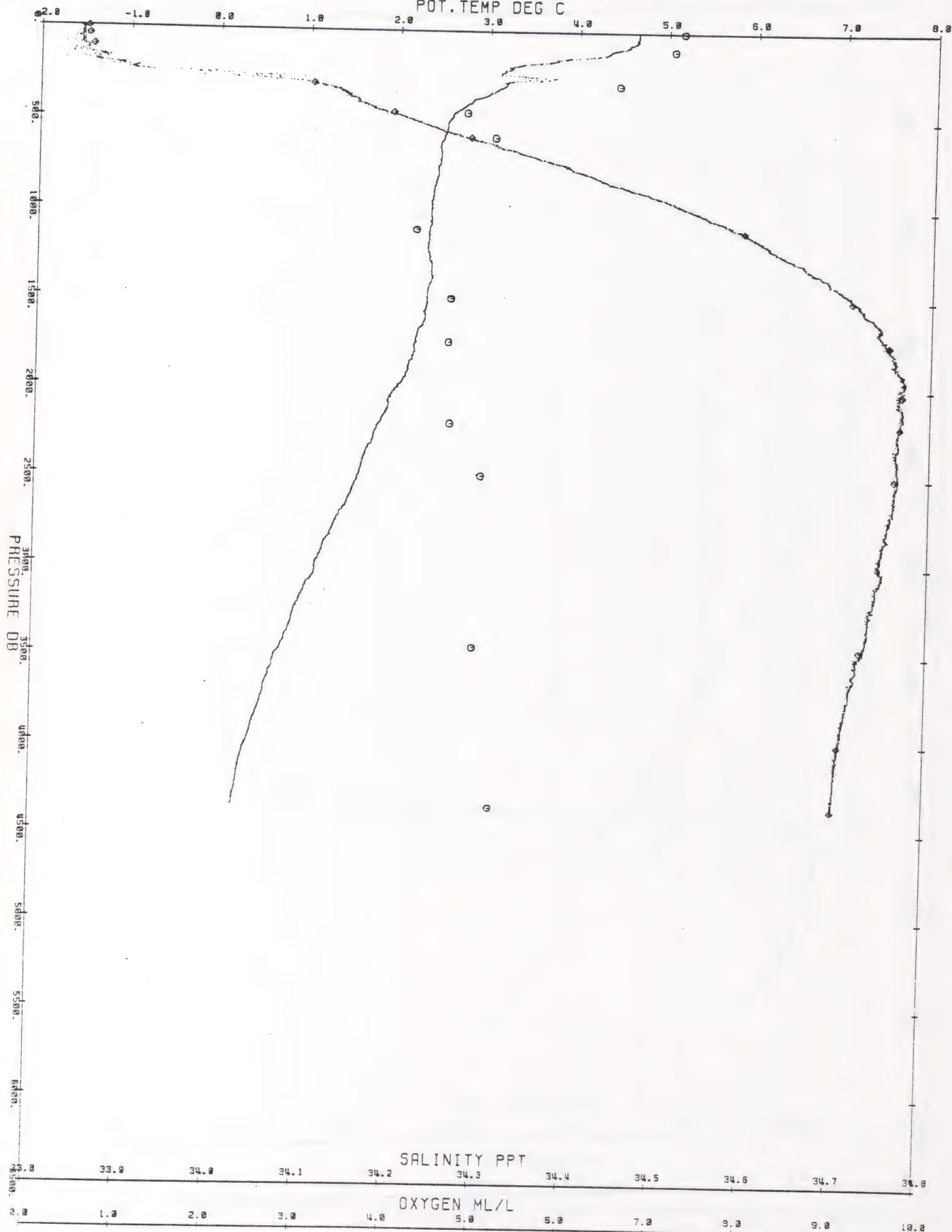
DE	TEMP	THETA	SAL	SGM-T	SGM-0	SGM-1	SGM-2	SGM-3	SGM-4	AN	HZ	SVEL
0	4.632	4.632	33.891	26.860	26.860	31.466	35.961	40.348	44.633	119.96	000	1468.0
20	4.640	4.640	33.848	26.822	26.822	31.429	35.923	40.310	44.594	123.71	024	1468.4
40	4.649	4.646	33.848	26.824	26.824	31.430	35.924	40.312	44.597	123.81	049	1468.7
60	4.634	4.630	33.848	26.826	26.826	31.433	35.928	40.315	44.600	123.81	074	1469.0
80	4.650	4.654	33.847	26.833	26.833	31.442	35.939	40.329	44.616	123.28	099	1469.0
100	4.424	4.417	33.847	26.847	26.847	31.461	35.961	40.354	44.644	122.09	123	1468.7
120	4.338	4.330	33.853	26.861	26.861	31.477	35.979	40.374	44.666	120.94	147	1468.7
140	4.066	4.056	33.843	26.882	26.882	31.505	36.014	40.416	44.714	119.08	171	1467.9
160	3.759	3.748	33.871	26.935	26.935	31.556	36.083	40.492	44.798	114.12	195	1466.9
180	3.454	3.442	33.853	26.951	26.951	31.590	36.115	40.532	44.846	112.64	217	1466.9
200	3.154	3.141	33.877	26.989	26.989	31.634	36.146	40.568	44.904	109.01	240	1465.9
220	2.854	2.841	33.903	27.014	27.014	31.661	36.174	40.616	44.935	106.79	261	1465.8
240	2.554	2.541	33.929	27.038	27.038	31.685	36.203	40.641	44.961	104.64	282	1465.8
260	2.254	2.240	34.054	27.089	27.089	31.717	36.233	40.643	44.948	100.71	303	1468.6
280	1.954	1.940	34.064	27.138	27.140	31.783	36.312	40.733	45.050	95.50	322	1467.0
300	1.654	1.640	34.104	27.173	27.175	31.818	36.348	40.770	45.087	92.31	341	1467.2
320	1.354	1.340	34.189	27.202	27.204	31.849	36.381	40.805	45.125	89.74	364	1467.3
340	1.054	1.040	34.141	27.220	27.222	31.870	36.404	40.830	45.152	88.10	386	1467.3
360	0.754	0.740	34.149	27.238	27.240	31.892	36.430	40.859	45.185	86.41	408	1467.3
380	0.454	0.440	34.156	27.250	27.252	31.906	36.446	40.877	45.204	85.36	430	1467.3
400	0.154	0.140	34.171	27.269	27.271	31.926	36.469	40.902	45.230	83.67	451	1467.4
420	0.054	0.040	34.184	27.286	27.288	31.946	36.490	40.925	45.255	82.11	471	1467.5
440	0.000	0.000	34.204	27.305	27.307	31.965	36.510	40.946	45.277	80.46	492	1467.5
460	0.000	0.000	34.215	27.319	27.322	31.981	36.527	40.963	45.293	79.19	512	1468.0
480	0.000	0.000	34.244	27.345	27.348	32.008	36.554	40.991	45.323	77.00	531	1468.8
500	0.000	0.000	34.299	27.378	27.381	32.038	36.585	41.022	45.355	74.48	589	1469.6
520	0.000	0.000	34.317	27.405	27.409	32.070	36.617	41.055	45.389	71.82	625	1470.3
540	0.000	0.000	34.354	27.434	27.438	32.098	36.645	41.083	45.416	69.41	660	1471.1
560	0.000	0.000	34.390	27.464	27.468	32.129	36.676	41.114	45.447	66.86	695	1472.0
580	0.000	0.000	34.418	27.487	27.491	32.152	36.699	41.137	45.470	64.96	727	1472.9
600	0.000	0.000	34.445	27.510	27.514	32.176	36.723	41.162	45.496	63.04	759	1473.7
620	0.000	0.000	34.482	27.541	27.546	32.208	36.756	41.194	45.528	60.33	790	1474.5
640	0.000	0.000	34.511	27.565	27.571	32.233	36.781	41.220	45.554	58.32	820	1475.3
660	0.000	0.000	34.537	27.585	27.591	32.259	36.801	41.240	45.574	56.70	849	1476.1
680	0.000	0.000	34.567	27.605	27.613	32.286	36.822	41.268	45.615	55.43	878	1477.0
700	0.000	0.000	34.599	27.625	27.633	32.312	36.842	41.293	45.643	54.49	904	1477.9
720	0.000	0.000	34.631	27.645	27.653	32.339	36.863	41.320	45.666	53.64	931	1478.8
740	0.000	0.000	34.661	27.665	27.673	32.365	36.883	41.346	45.692	52.81	956	1479.7
760	0.000	0.000	34.691	27.685	27.693	32.391	36.903	41.372	45.718	52.07	981	1480.6
780	0.000	0.000	34.720	27.706	27.714	32.417	36.922	41.398	45.745	51.41	1007	1481.5
800	0.000	0.000	34.750	27.727	27.735	32.443	36.941	41.424	45.772	50.81	1032	1482.4
820	0.000	0.000	34.780	27.749	27.757	32.469	36.960	41.450	45.799	50.27	1056	1483.3
840	0.000	0.000	34.810	27.771	27.779	32.495	36.979	41.476	45.826	49.78	1081	1484.2
860	0.000	0.000	34.840	27.793	27.801	32.521	36.998	41.502	45.853	49.34	1105	1485.1
880	0.000	0.000	34.870	27.815	27.823	32.547	37.017	41.528	45.880	48.94	1129	1486.0
900	0.000	0.000	34.900	27.837	27.845	32.573	37.036	41.554	45.907	48.58	1153	1486.9
920	0.000	0.000	34.930	27.859	27.867	32.599	37.055	41.580	45.934	48.26	1177	1487.8
940	0.000	0.000	34.960	27.881	27.889	32.625	37.074	41.606	45.961	47.98	1201	1488.7
960	0.000	0.000	34.990	27.903	27.911	32.651	37.093	41.632	45.988	47.74	1225	1489.6
980	0.000	0.000	35.020	27.925	27.933	32.677	37.112	41.658	46.015	47.54	1249	1490.5
1000	0.000	0.000	35.050	27.947	27.955	32.703	37.131	41.684	46.042	47.38	1273	1491.4
1020	0.000	0.000	35.080	27.969	27.977	32.729	37.150	41.710	46.069	47.25	1297	1492.3
1040	0.000	0.000	35.110	27.991	27.999	32.755	37.169	41.736	46.096	47.15	1321	1493.2
1060	0.000	0.000	35.140	28.013	28.021	32.781	37.188	41.762	46.123	47.08	1345	1494.1
1080	0.000	0.000	35.170	28.035	28.043	32.807	37.207	41.788	46.150	47.04	1369	1495.0
1100	0.000	0.000	35.200	28.057	28.065	32.833	37.226	41.814	46.177	47.00	1393	1495.9
1120	0.000	0.000	35.230	28.079	28.087	32.859	37.245	41.840	46.204	46.97	1417	1496.8
1140	0.000	0.000	35.260	28.101	28.109	32.885	37.264	41.866	46.231	46.93	1441	1497.7
1160	0.000	0.000	35.290	28.123	28.131	32.911	37.283	41.892	46.258	46.90	1465	1498.6
1180	0.000	0.000	35.320	28.145	28.153	32.937	37.302	41.918	46.285	46.87	1489	1499.5
1200	0.000	0.000	35.350	28.167	28.175	32.963	37.321	41.944	46.312	46.84	1513	1500.4
1220	0.000	0.000	35.380	28.189	28.197	32.989	37.340	41.970	46.339	46.81	1537	1501.3
1240	0.000	0.000	35.410	28.211	28.219	33.015	37.359	42.000	46.366	46.78	1561	1502.2
1260	0.000	0.000	35.440	28.233	28.241	33.041	37.378	42.030	46.393	46.75	1585	1503.1
1280	0.000	0.000	35.470	28.255	28.263	33.067	37.397	42.060	46.420	46.72	1609	1504.0
1300	0.000	0.000	35.500	28.277	28.285	33.093	37.416	42.090	46.447	46.69	1633	1504.9
1320	0.000	0.000	35.530	28.299	28.307	33.119	37.435	42.120	46.474	46.66	1657	1505.8
1340	0.000	0.000	35.560	28.321	28.329	33.145	37.454	42.150	46.501	46.63	1681	1506.7
1360	0.000	0.000	35.590	28.343	28.351	33.171	37.473	42.180	46.528	46.60	1705	1507.6
1380	0.000	0.000	35.620	28.365	28.373	33.197	37.492	42.210	46.555	46.57	1729	1508.5
1400	0.000	0.000	35.650	28.387	28.395	33.223	37.511	42.240	46.582	46.54	1753	1509.4
1420	0.000	0.000	35.680	28.409	28.417	33.249	37.530	42.270	46.609	46.51	1777	1510.3
1440	0.000	0.000	35.710	28.431	28.439	33.275	37.549	42.300	46.636	46.48	1801	1511.2
1460	0.000	0.000	35.740	28.453	28.461	33.301	37.568	42.330	46.663	46.45	1825	1512.1
1480	0.000	0.000	35.770	28.475	28.483	33.327	37.587	42.360	46.690	46.42	1849	1513.0
1500	0.000	0.000	35.800	28.497	28.505	33.353	37.606	42.390	46.717	46.39	1873	1513.9
1520	0.000	0.000	35.830	28.519	28.527	33.379	37.625	42.420	46.744	46.36	1897	1514.8
1540	0.000	0.000	35.860	28.541	28.549	33.405	37.644	42.450	46.771	46.33	1921	1515.7
1560	0.000	0.000	35.890	28.563	28.571	33.431	37.663	42.480	46.798	46.30	1945	1516.6
1580	0.000	0.000	35.920	28.585	28.593	33.457	37.682	42.510	46.825	46.27	1969	1517.5
1600	0.000	0.000	35.950	28.607	28.615	33.483	37.701	42.540	46.852	46.24	1993	1518.4
1620	0.000	0.000	35.980	28.629	28.637	33.509	37.720	42.570	46.879	46.21	2017	1519.3
1640	0.000	0.000	36.010	28.651	28.659	33.535	37.739	42.600	46.906	46.18	2041	1520.2
1660	0.000	0.000	36.040	28.673	28.681	33.561	37.758	42.630	46.933	46.15	2065	1521.1
1680	0.000	0.000	36.070	28.695	28.703	33.587	37.777	42.660	46.960	46.12	2089	1522.0
1700	0.000	0.000	36.100	28.717	28.725	33.613	37.796	42.690	46.987	46.09	2113	1522.9
1720	0.000	0.000	36.130	28.739	28.747	33.639	37.815	42.720				

1011

ST 44

LAT -47.971 LONG 13.499

POT. TEMP DEG C





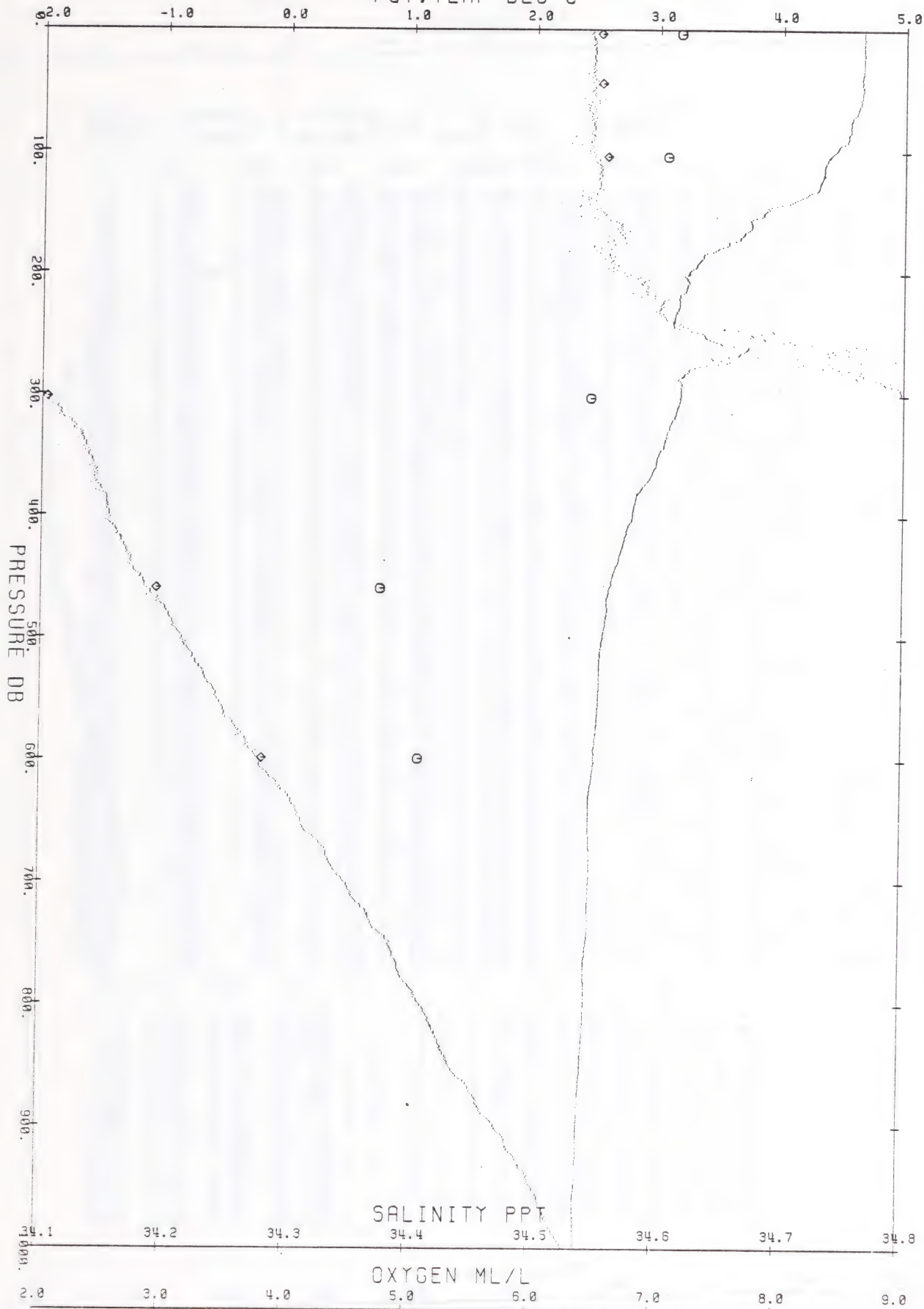
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ST 44

LAT -47.971

LONG 13.499

POT. TEMP DEG C

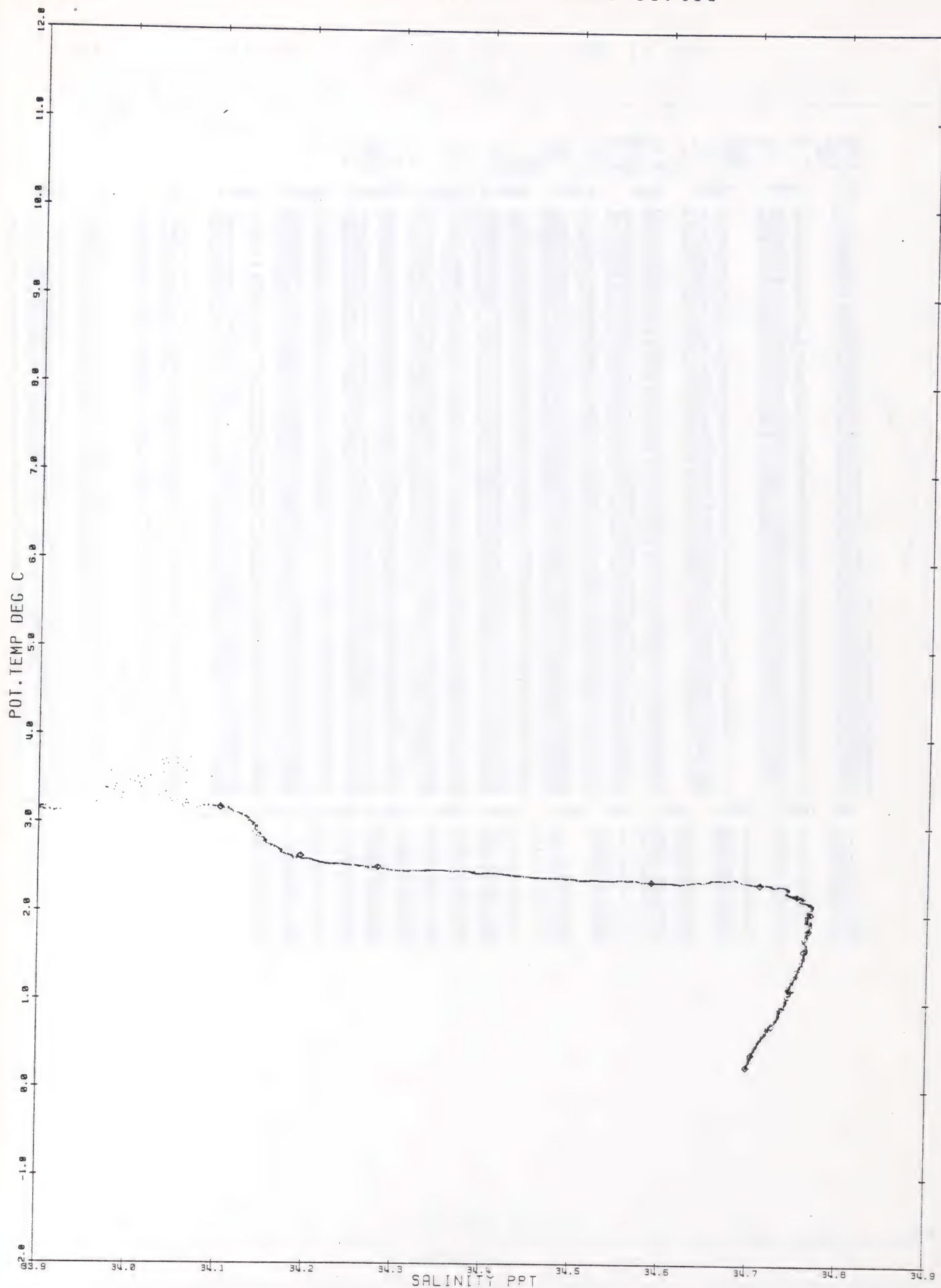


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ST 44

LAT -47.971

LONG 13.499





SHIP ID CRUISE 11 STATION 45  
 START = 47 30.10 S 14 5.40 E AT 442 76/12/14  
 WIND = 7M/S COR. DEPTH = 4743M

DE	TEMP	THETA	SAL	SGM-T	SGM-O	SGM-1	SGM-2	SGM-3	SGM-4	AN	HZ	SVEL
0	5.014	5.014	33.862	26.794	26.794	31.391	35.876	40.254	44.530	126.20	.000	1469.6
20	5.052	5.050	33.878	26.802	26.803	31.398	35.882	40.260	44.535	125.63	.025	1470.1
40	5.052	5.049	33.879	26.803	26.803	31.399	35.883	40.260	44.535	125.82	.050	1470.4
60	5.041	5.037	33.878	26.803	26.804	31.400	35.884	40.261	44.537	126.00	.076	1470.7
80	5.036	5.030	33.877	26.803	26.804	31.400	35.884	40.262	44.538	126.22	.101	1471.0
100	4.995	4.987	33.868	26.846	26.847	31.454	35.950	40.338	44.624	122.99	.126	1469.3
120	4.991	4.983	33.860	26.903	26.904	31.528	36.038	40.442	44.742	116.90	.150	1467.7
140	4.373	4.363	33.979	26.957	26.959	31.571	36.072	40.465	44.755	112.06	.172	1469.4
160	4.171	4.159	33.973	26.974	26.976	31.594	36.099	40.498	44.793	110.94	.195	1468.8
180	4.039	4.027	34.006	27.014	27.016	31.637	36.146	40.547	44.845	106.91	.216	1468.6
200	4.953	4.939	34.073	27.076	27.078	31.701	36.212	40.614	44.914	101.16	.237	1468.7
220	4.090	4.074	34.157	27.129	27.130	31.749	36.256	40.654	44.950	96.48	.257	1469.7
240	4.956	4.940	34.163	27.147	27.149	31.771	36.281	40.683	44.982	94.86	.276	1469.5
260	4.835	4.817	34.163	27.160	27.161	31.787	36.300	40.705	45.007	93.75	.295	1469.9
280	4.679	4.660	34.160	27.173	27.175	31.805	36.322	40.731	45.037	92.54	.314	1469.3
300	4.571	4.551	34.162	27.185	27.187	31.820	36.340	40.751	45.060	91.48	.332	1468.9
325	4.444	4.422	34.159	27.195	27.197	31.833	36.357	40.772	45.084	90.63	.355	1468.7
350	4.285	4.262	34.162	27.212	27.214	31.855	36.382	40.802	45.117	89.06	.377	1468.5
375	4.174	4.150	34.169	27.228	27.230	31.877	36.404	40.826	45.144	87.64	.399	1468.4
400	4.059	4.033	34.178	27.246	27.248	31.899	36.428	40.853	45.174	86.03	.421	1468.3
425	4.962	4.935	34.180	27.257	27.259	31.908	36.444	40.872	45.195	85.07	.442	1468.8
450	4.913	4.884	34.190	27.269	27.271	31.922	36.459	40.888	45.212	84.02	.464	1468.6
475	4.861	4.831	34.201	27.282	27.285	31.937	36.475	40.905	45.231	82.86	.484	1468.8
500	4.836	4.804	34.207	27.290	27.292	31.945	36.484	40.915	45.241	82.28	.505	1469.1
550	4.772	4.738	34.233	27.316	27.319	31.973	36.514	40.946	45.274	80.03	.546	1469.7
600	4.715	4.678	34.269	27.349	27.353	31.999	36.551	40.984	45.313	77.08	.585	1470.3
650	4.673	4.632	34.296	27.375	27.378	32.035	36.578	41.012	45.342	74.95	.623	1471.0
700	4.632	4.587	34.329	27.404	27.408	32.066	36.610	41.045	45.376	72.36	.660	1471.7
750	4.597	4.549	34.361	27.433	27.437	32.096	36.640	41.076	45.408	69.91	.695	1472.4
800	4.559	4.508	34.396	27.461	27.466	32.124	36.669	41.105	45.436	67.54	.730	1473.3
850	4.539	4.485	34.429	27.492	27.497	32.156	36.703	41.139	45.472	64.82	.763	1473.9
900	4.477	4.471	34.471	27.526	27.531	32.181	36.736	41.173	45.506	61.96	.794	1474.7
950	4.447	4.493	34.493	27.545	27.551	32.209	36.757	41.195	45.528	60.33	.825	1475.5
1000	4.456	4.516	34.516	27.563	27.569	32.239	36.775	41.212	45.544	59.00	.855	1476.5
1100	4.441	4.555	34.555	27.595	27.601	32.282	36.807	41.244	45.577	56.60	.913	1478.8
1200	4.406	4.600	34.600	27.633	27.640	32.300	36.847	41.284	45.618	53.53	.968	1479.8
1300	4.447	4.644	34.671	27.671	27.679	32.340	36.888	41.326	45.660	50.40	1.020	1481.4
1400	4.406	4.670	34.670	27.696	27.704	32.367	36.915	41.355	45.690	48.51	1.069	1482.9
1500	4.400	4.699	34.699	27.720	27.728	32.391	36.940	41.379	45.715	46.84	1.117	1484.6
1600	4.425	4.734	34.734	27.745	27.755	32.417	36.965	41.404	45.738	45.11	1.163	1486.4
1700	4.389	4.747	34.747	27.759	27.769	32.432	36.981	41.421	45.757	44.26	1.207	1488.8
1800	4.366	4.759	34.759	27.773	27.784	32.449	36.999	41.441	45.779	43.26	1.251	1489.9
1900	4.344	4.772	34.772	27.788	27.799	32.463	37.018	41.461	45.799	42.12	1.294	1491.1
2000	4.313	4.777	34.777	27.797	27.809	32.477	37.031	41.476	45.817	41.45	1.336	1492.4
2100	4.283	4.784	34.784	27.806	27.818	32.488	37.043	41.489	45.830	40.99	1.377	1494.0
2200	4.259	4.784	34.784	27.813	27.825	32.499	37.055	41.504	45.847	40.34	1.418	1495.5
2300	4.235	4.785	34.785	27.820	27.833	32.508	37.069	41.519	45.863	39.63	1.458	1496.7
2400	4.211	4.784	34.784	27.824	27.838	32.515	37.077	41.530	45.878	39.29	1.497	1498.1
2500	4.184	4.778	34.778	27.827	27.841	32.521	37.087	41.543	45.893	38.79	1.536	1499.4
2580	4.177	4.776	34.776	27.831	27.845	32.527	37.095	41.553	45.905	38.32	1.567	1500.4
DE	TEMP	THETA	SAL	OXY	SIL	PO4	SGM-T	SGM-O	SGM-2	SGM-4	FLAG	
21	4.99	4.98	33.882	7.00	7.0	2.36	26.81	26.81	35.90	44.55	A	
109	4.99	4.98	33.885	7.08	8.0	2.36	26.88	26.88	36.00	44.68		
185	4.99	4.98	34.014	6.66	11.1	2.18	27.03	27.03	36.16	44.87		
256	4.97	4.99	34.176	6.23	15.6	2.07	27.17	27.17	36.31	45.01		
406	4.01	4.99	34.180	5.96	23.8	1.97	27.25	27.25	36.44	45.18		
744	4.55	4.55	34.362	4.70	49.8	2.23	27.43	27.44	36.64	45.41		
995	4.45	4.45	34.499	4.29	68.7	2.23	27.55	27.56	36.76	45.53		
1245	4.47	4.47	34.616	4.22	71.7	1.19	27.65	27.65	36.86	45.63		
1493	4.41	4.41	34.699	4.45	71.7	1.39	27.72	27.73	36.94	45.71		
2577	4.78	4.60	34.776	4.99	80.3	1.88	27.83	27.84	37.09	45.90	A	

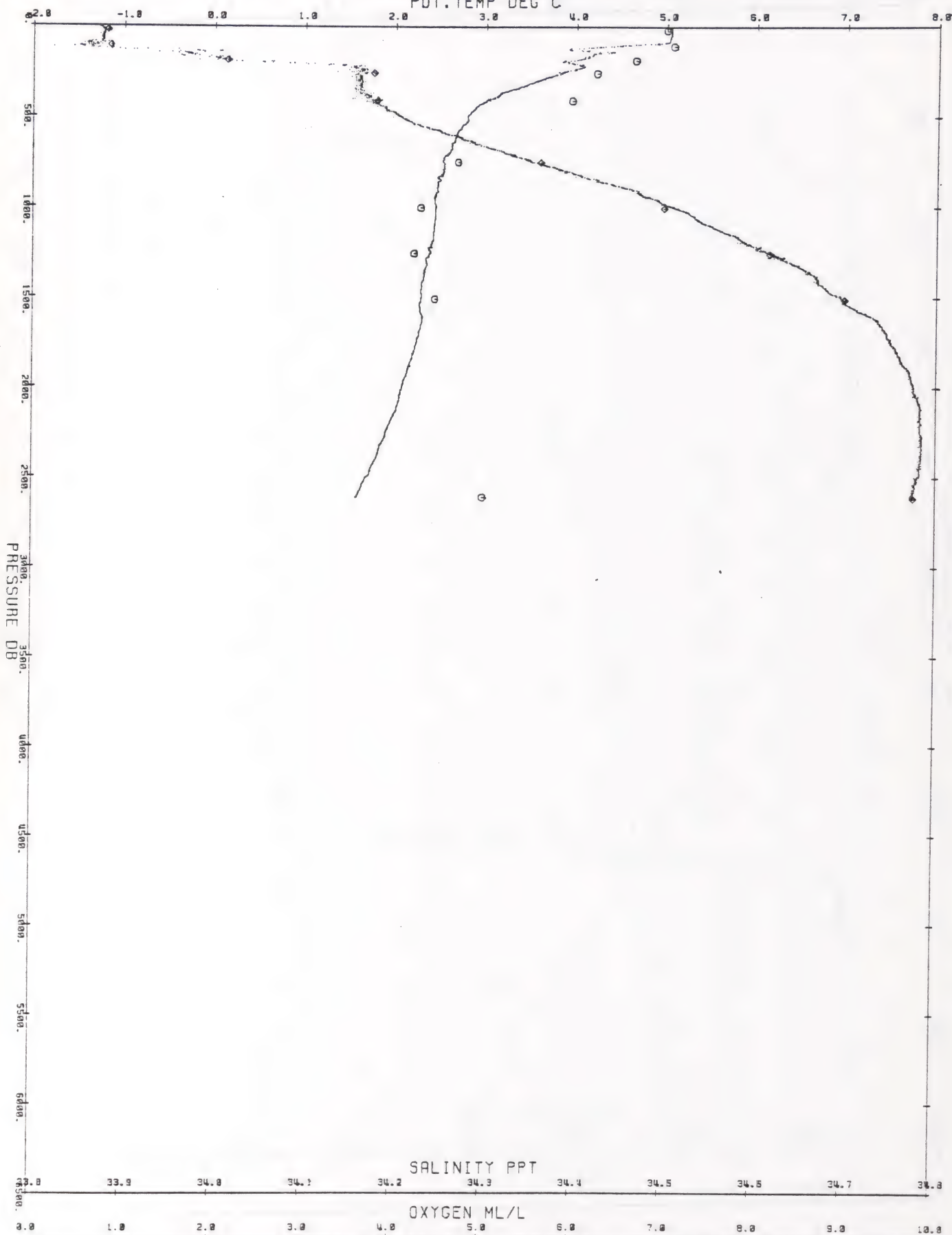
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ST 45

LAT -46.699

LONG 14.054

POT. TEMP DEG C





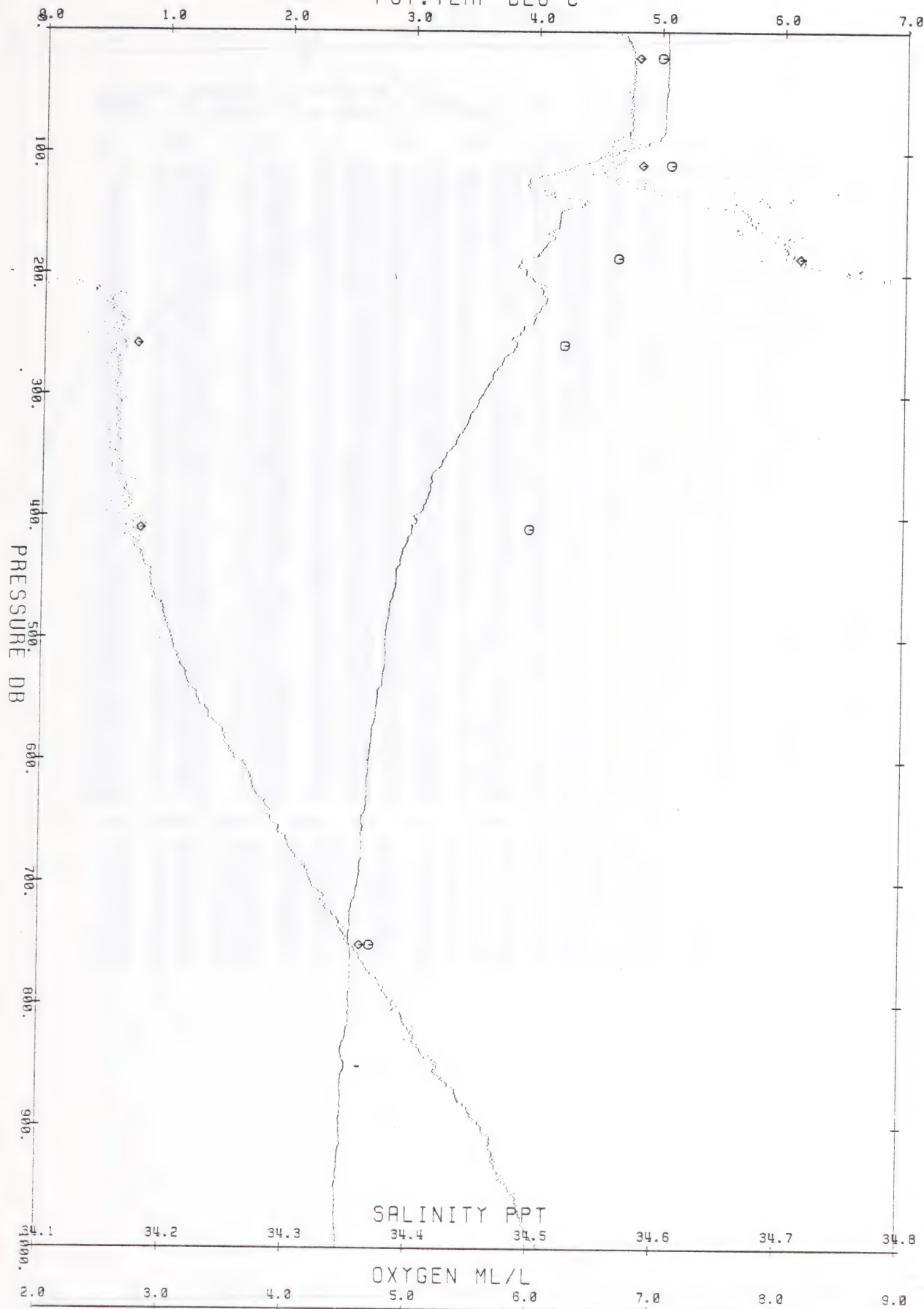
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ST 45

LAT -46.699

LONG 14.054

POT. TEMP DEG C

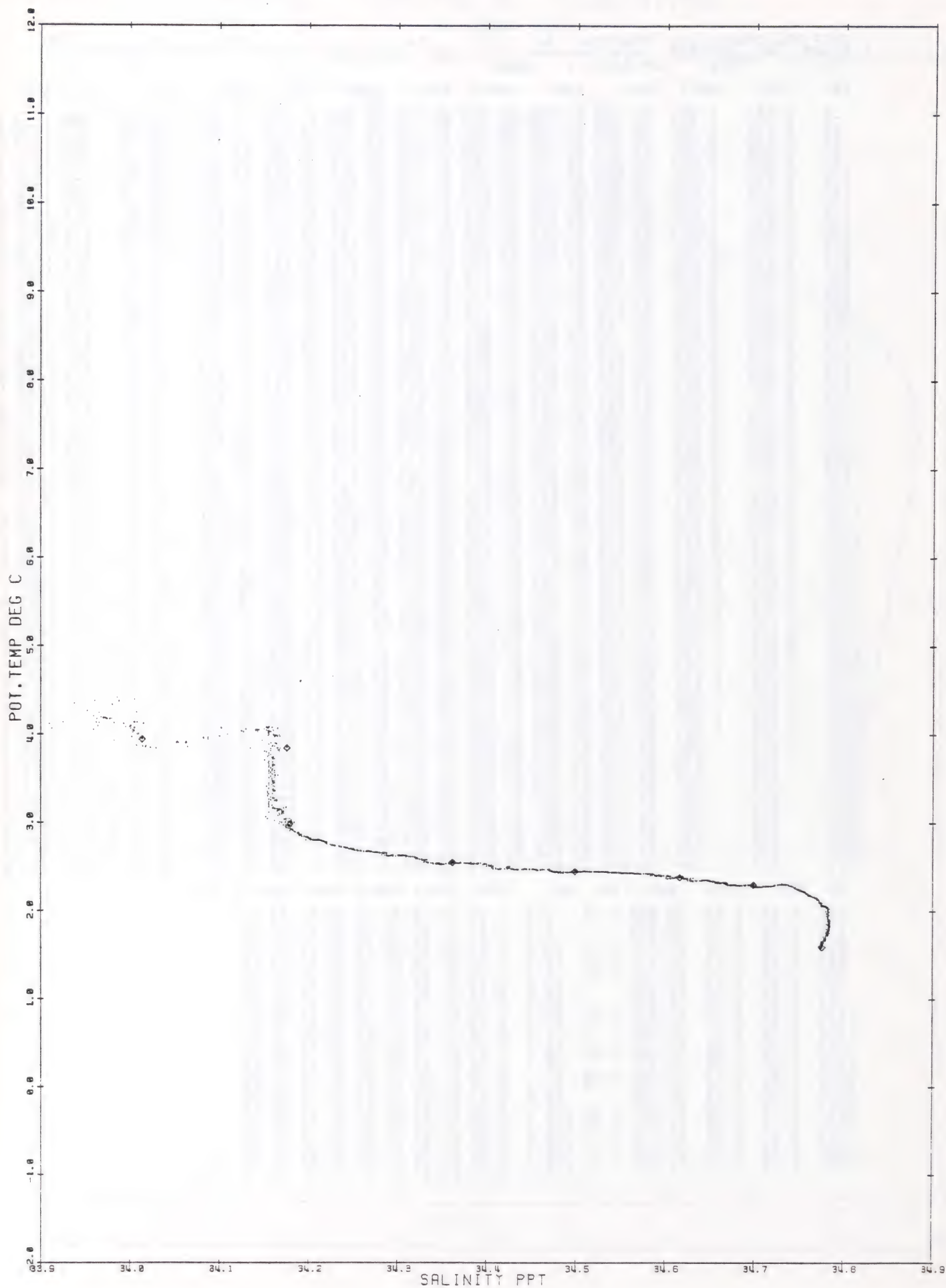


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ST 45

LAT -46.699

LONG 14.054





DE	TEMP	THETA	SAL	SGM-T	SGM-O	SGM-1	SGM-2	SGM-3	SGM-4	AN	HZ	SVEL
0	6.181	6.181	33.569	22.422	22.422	30.992	33.450	39.803	44.055	161.52	.000	1473.9
20	6.730	6.730	33.888	22.722	22.722	31.303	33.771	40.132	44.391	133.03	.029	1473.9
40	6.933	6.933	33.888	22.730	22.730	31.310	33.778	40.140	44.401	132.75	.056	1473.9
60	6.886	6.886	33.888	22.737	22.737	31.320	33.791	40.155	44.419	132.33	.083	1473.9
80	6.899	6.899	33.888	22.761	22.761	31.349	33.825	40.194	44.461	132.08	.109	1473.9
100	6.901	6.901	33.888	22.777	22.777	31.368	33.846	40.217	44.487	129.92	.135	1473.9
120	6.952	6.952	33.888	22.784	22.784	31.400	33.886	40.228	44.499	129.63	.160	1473.9
140	6.970	6.970	33.888	22.784	22.784	31.400	33.886	40.263	44.538	126.43	.186	1473.9
160	6.981	6.981	33.888	22.777	22.777	31.545	33.974	40.360	44.644	120.99	.211	1470.8
180	6.991	6.991	33.888	22.777	22.777	31.545	33.974	40.412	44.690	113.88	.234	1473.9
200	6.992	6.992	33.888	22.777	22.777	31.626	33.121	40.509	44.795	107.08	.256	1471.1
220	6.992	6.992	33.888	22.777	22.777	31.664	33.163	40.554	44.843	104.04	.277	1470.8
240	6.991	6.991	33.888	22.777	22.777	31.716	33.219	40.616	44.909	99.66	.298	1470.8
260	6.991	6.991	33.888	22.777	22.777	31.741	33.248	40.647	44.943	97.61	.317	1470.4
280	6.960	6.960	33.888	22.777	22.777	31.767	33.278	40.680	44.979	95.56	.337	1470.0
300	6.930	6.930	33.888	22.777	22.777	31.788	33.301	40.706	44.998	94.06	.356	1470.0
320	6.950	6.950	33.888	22.777	22.777	31.806	33.323	40.732	44.998	92.87	.374	1469.7
340	6.975	6.975	33.888	22.777	22.777	31.824	33.345	40.759	44.998	91.59	.392	1469.4
360	6.990	6.990	33.888	22.777	22.777	31.847	33.372	40.790	44.998	89.93	.409	1469.2
380	6.990	6.990	33.888	22.777	22.777	31.863	33.392	40.813	44.998	88.75	.427	1469.0
400	6.990	6.990	33.888	22.777	22.777	31.884	33.416	40.840	44.998	87.23	.449	1468.8
420	6.990	6.990	33.888	22.777	22.777	31.901	33.436	40.863	44.998	85.90	.471	1468.8
440	6.990	6.990	33.888	22.777	22.777	31.927	33.465	40.894	44.998	83.78	.491	1468.8
460	6.990	6.990	33.888	22.777	22.777	31.945	33.484	40.914	44.998	82.26	.512	1468.8
480	6.990	6.990	33.888	22.777	22.777	31.977	33.518	40.950	44.998	79.68	.533	1469.1
500	6.990	6.990	33.888	22.777	22.777	31.999	33.547	40.980	44.998	77.52	.553	1469.6
520	6.990	6.990	33.888	22.777	22.777	32.028	33.572	41.007	44.998	75.63	.571	1470.0
540	6.990	6.990	33.888	22.777	22.777	32.065	33.610	41.045	44.998	72.43	.588	1471.6
560	6.990	6.990	33.888	22.777	22.777	32.109	33.639	41.075	44.998	70.06	.606	

41



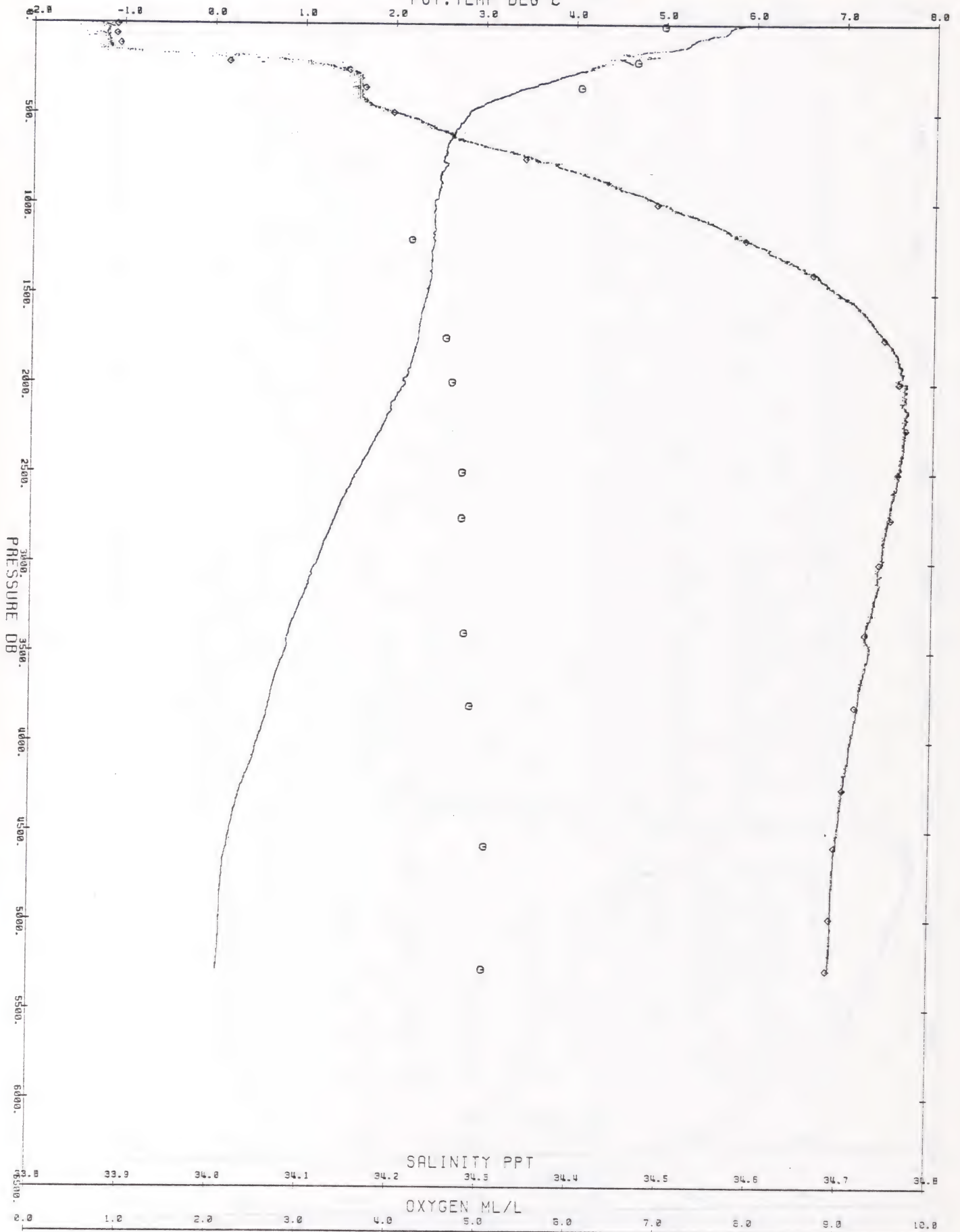
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ST 46

LAT -45.421

LONG 14.191

POT. TEMP DEG C





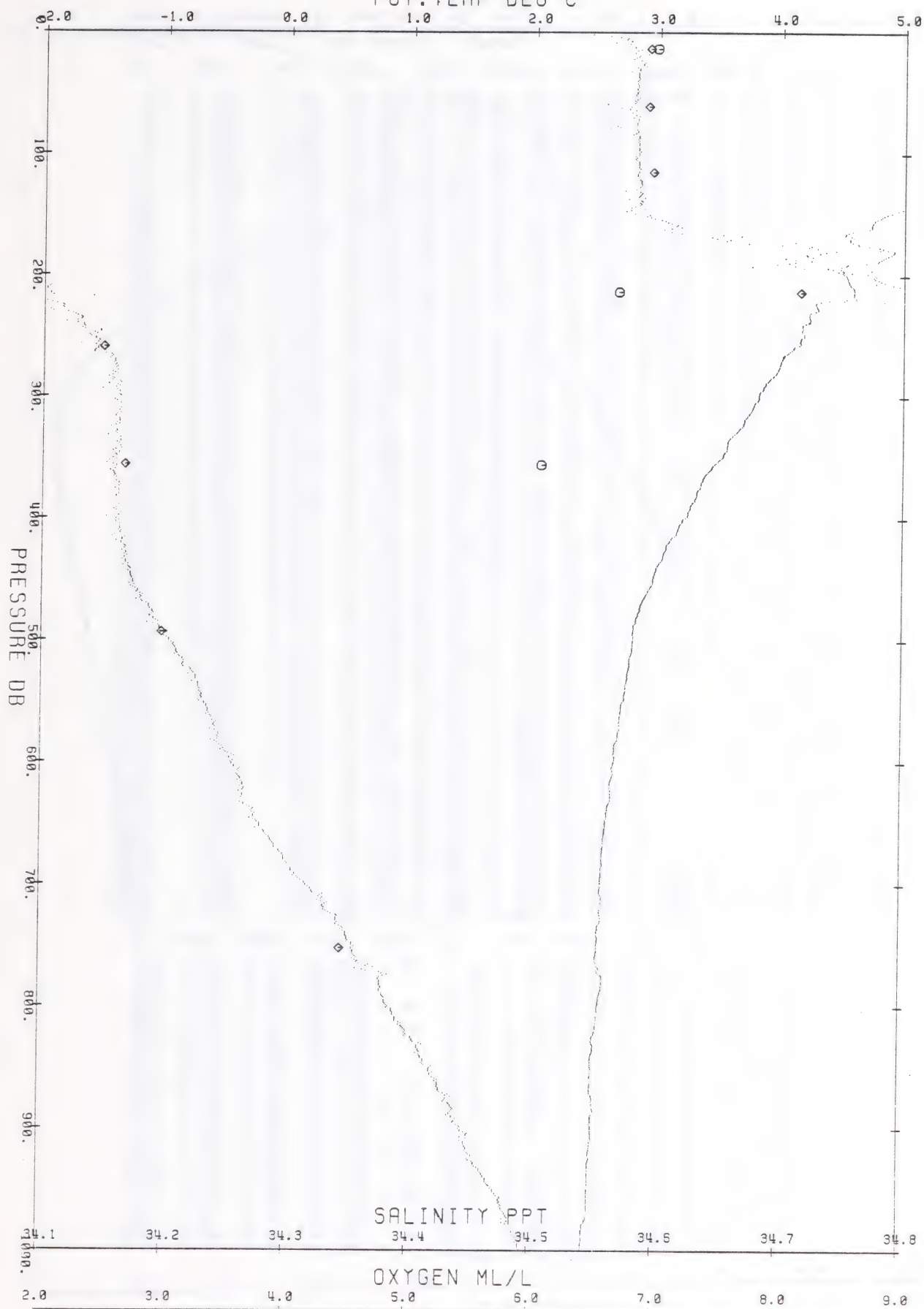
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ST 46

LAT -45.421

LONG 14.191

POT. TEMP DEG C

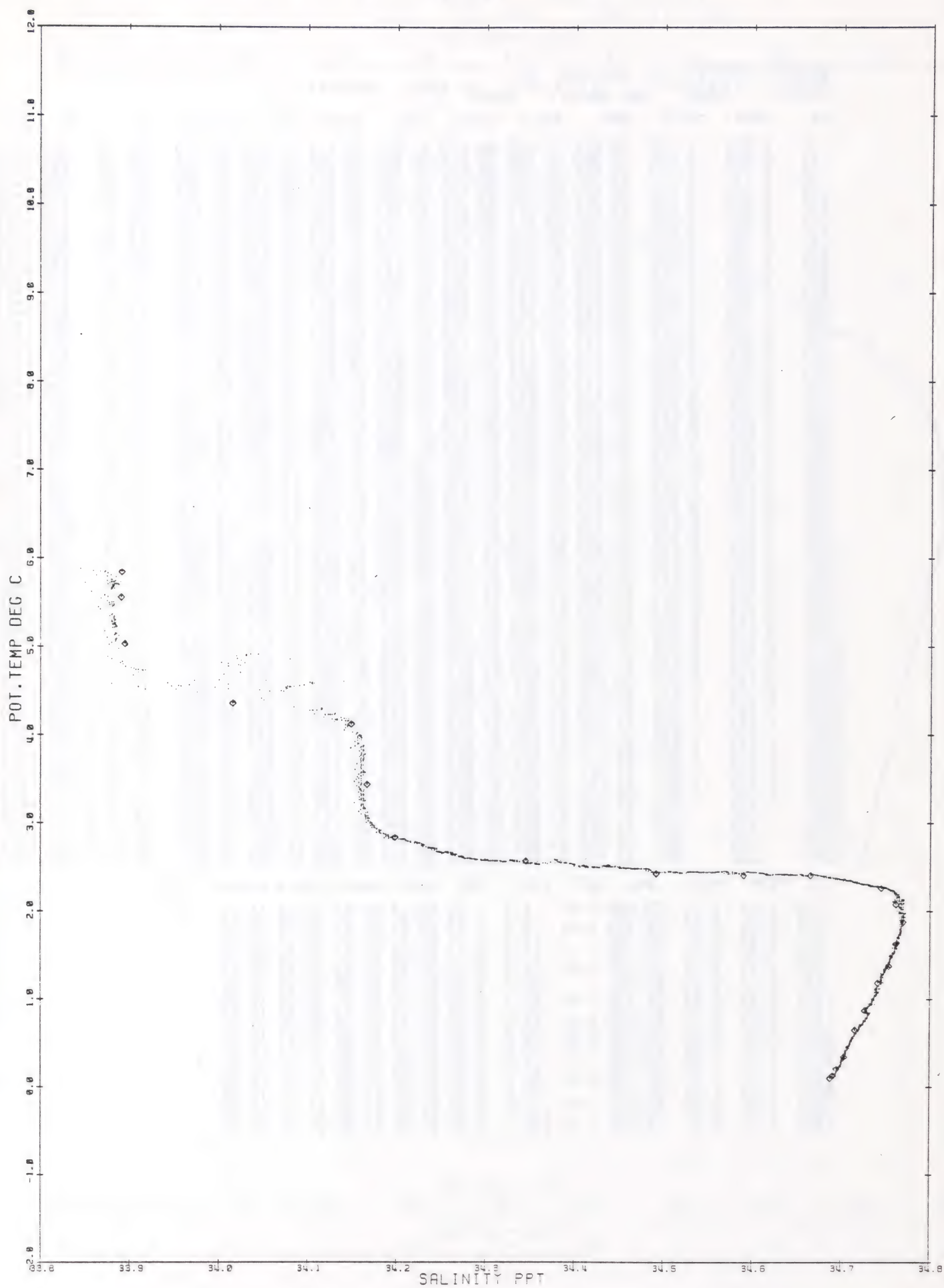


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ST 46

LAT -45.421

LONG 14.191





SHIP ID CRUISE 11 STATION 47  
START 46 10.20 S 14 42.90 E AT 2200 76/12/14  
WIND = 3M/S COR. DEPTH = 4467M

DE	TEMP	THETA	SAL	SGM-T	SGM-O	SGM-1	SGM-2	SGM-3	SGM-4	AN	HZ	SVEL	
0	6.073	6.073	333	891	26.689	26.690	31.259	35.718	40.071	44.323	136.14	.000	1473.9
20	6.073	6.073	333	878	26.679	26.679	31.249	35.708	40.061	44.313	137.39	.027	1474.2
40	6.073	6.073	333	877	26.689	26.690	31.249	35.723	40.078	44.332	136.65	.055	1474.2
60	6.073	6.073	333	887	26.723	26.724	31.301	35.767	40.127	44.386	133.73	.082	1473.7
80	6.17	6.17	333	899	26.751	26.752	31.333	35.803	40.166	44.429	131.26	.108	1473.4
100	6.277	6.277	333	891	26.786	26.788	31.377	35.856	40.228	44.498	128.07	.134	1473.2
120	6.329	6.329	333	938	26.817	26.819	31.407	35.893	40.254	44.523	129.40	.160	1472.4
140	6.060	6.060	333	973	26.877	26.878	31.473	35.956	40.333	44.607	119.92	.184	1472.2
160	6.951	6.951	333	029	26.932	26.934	31.530	36.016	40.394	44.671	114.87	.208	1472.2
180	6.067	6.067	334	138	27.003	27.007	31.600	36.081	40.456	44.729	108.23	.230	1473.3
200	6.098	6.098	334	203	27.052	27.054	31.646	36.126	40.500	44.771	104.03	.251	1473.3
220	6.091	6.091	334	205	27.075	27.077	31.674	36.158	40.536	44.812	101.99	.272	1473.3
240	6.117	6.117	334	194	27.101	27.104	31.708	36.201	40.587	44.870	99.54	.292	1472.2
260	6.451	6.451	334	194	27.119	27.122	31.731	36.228	40.617	44.905	97.93	.312	1471.3
280	6.312	6.312	334	187	27.129	27.132	31.744	36.245	40.638	44.929	97.11	.331	1471.7
300	6.149	6.149	334	182	27.143	27.145	31.762	36.267	40.664	44.959	95.92	.350	1471.3
320	6.935	6.935	334	177	27.161	27.163	31.786	36.297	40.699	44.999	94.27	.374	1470.8
340	6.777	6.777	334	177	27.174	27.176	31.803	36.317	40.723	45.026	93.14	.398	1470.7
360	6.51	6.51	334	174	27.184	27.187	31.817	36.334	40.743	45.049	92.24	.421	1470.6
380	6.550	6.550	334	175	27.195	27.198	31.830	36.350	40.762	45.070	91.34	.444	1470.4
400	6.437	6.437	334	174	27.207	27.210	31.847	36.370	40.786	45.097	90.20	.466	1470.4
420	6.306	6.306	334	176	27.219	27.221	31.861	36.387	40.805	45.119	89.18	.489	1470.3
440	6.193	6.193	334	183	27.234	27.237	31.879	36.408	40.829	45.145	87.82	.511	1470.3
460	6.091	6.091	334	194	27.246	27.249	31.892	36.422	40.843	45.161	86.82	.533	1470.3
480	6.003	6.003	334	209	27.273	27.276	31.923	36.458	40.883	45.204	84.43	.576	1470.3
500	6.933	6.933	334	236	27.330	27.334	31.956	36.498	40.920	45.244	81.79	.617	1471.1
520	6.833	6.833	334	262	27.330	27.334	31.985	36.523	40.952	45.278	79.47	.658	1471.1
540	6.28	6.28	334	286	27.353	27.357	32.010	36.549					

DE	TEMP	THETA	SAL	OXY	SIL	PO4	SGM-T	SGM-O	SGM-2	SGM-4	FLAG
1	11.73	10.00	33.33	7.01	5.53	1.11	7.77	6.69	7.77	4.44	A1
2	10.05	9.07	33.33	5.95	1.00	1.11	7.77	6.69	7.77	4.44	A1
3	11.11	9.77	33.33	5.86	1.11	1.11	7.77	6.69	7.77	4.44	A1
4	10.06	9.74	33.33	4.30	1.11	1.11	7.77	6.69	7.77	4.44	A1
5	11.11	9.44	33.33	4.57	1.11	1.11	7.77	6.69	7.77	4.44	A1
6	10.00	9.40	33.33	4.77	1.11	1.11	7.77	6.69	7.77	4.44	A1
7	11.11	9.33	33.33	4.87	1.11	1.11	7.77	6.69	7.77	4.44	A1
8	10.00	9.28	33.33	4.97	1.11	1.11	7.77	6.69	7.77	4.44	A1
9	11.11	9.24	33.33	4.94	1.11	1.11	7.77	6.69	7.77	4.44	A1
10	10.00	9.24	33.33	5.04	1.11	1.11	7.77	6.69	7.77	4.44	A1

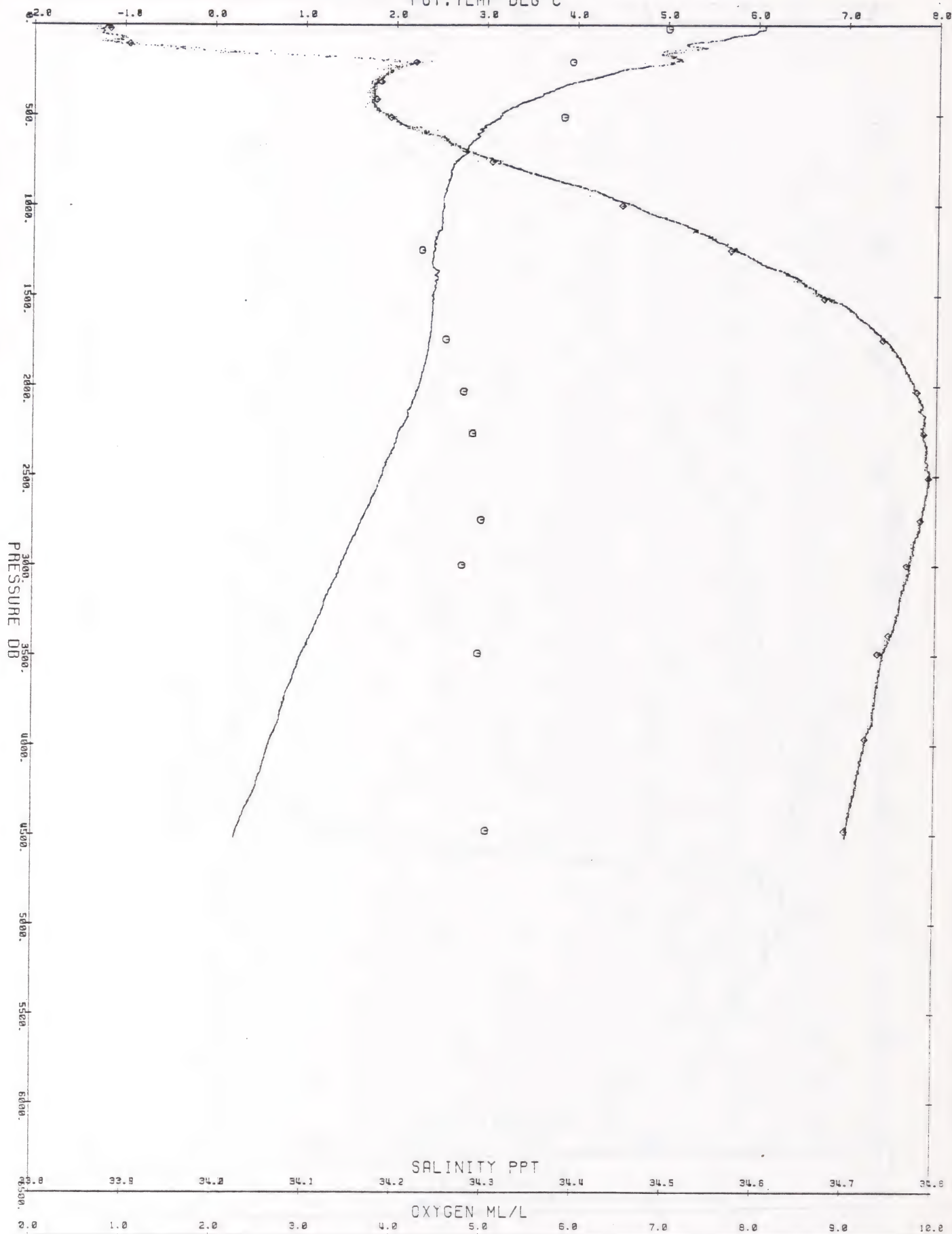
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ST 47

LAT -45.898

LONG 14.429

POT. TEMP DEG C





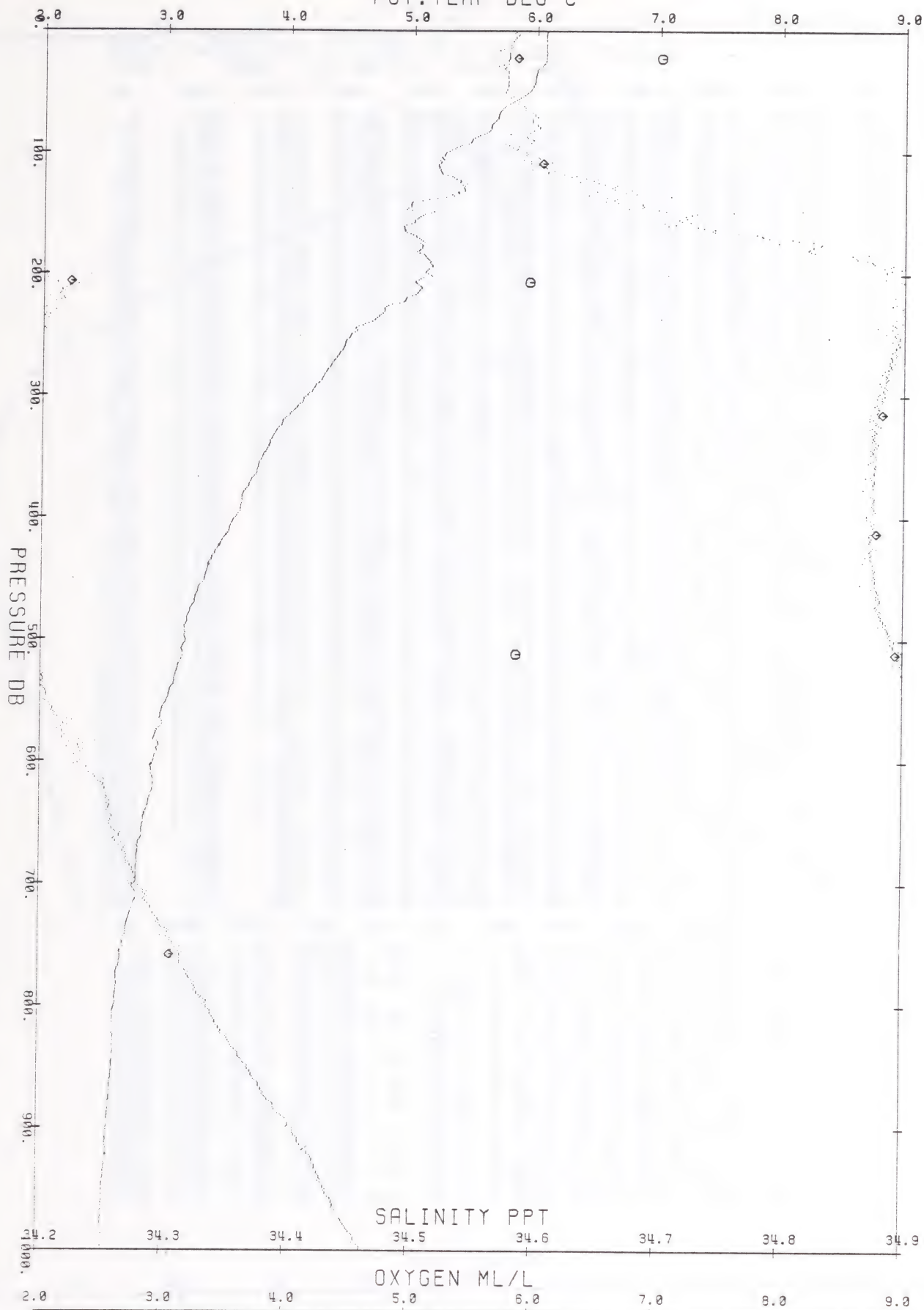
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ST 47

LAT -45.898

LONG 14.429

POT. TEMP DEG C

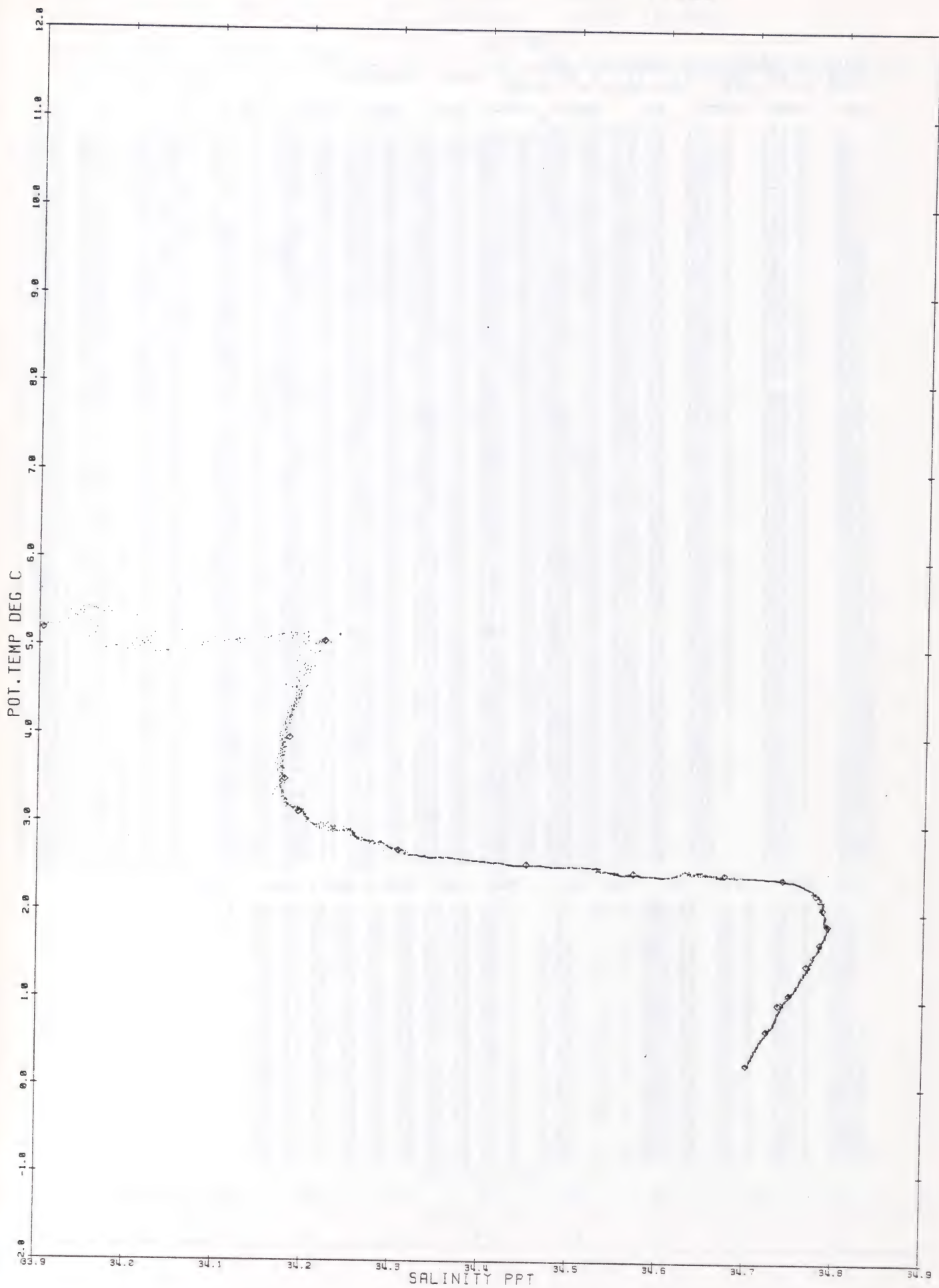


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ST 47

LAT -45.898

LONG 14.429





DE	TEMP	THETA	SAL	SGM-T	SGM-O	SGM-1	SGM-2	SGM-3	SGM-4	AN	HZ	SVEL
0	8.171	8.171	34.251	26.681	26.681	31.197	35.603	39.909	44.113	136.95	000	1482.6
20	8.205	8.203	34.216	26.648	26.649	31.164	35.571	39.875	44.079	140.43	028	1483.0
40	8.166	8.162	34.311	26.728	26.729	31.245	35.632	39.956	44.160	133.19	055	1483.3
60	8.336	8.329	34.345	26.744	26.745	31.260	35.665	39.967	44.170	132.04	082	1484.0
80	8.240	8.237	34.371	26.747	26.749	31.260	35.663	39.963	44.163	132.10	108	1484.7
100	8.269	8.266	34.386	26.770	26.772	31.285	35.689	39.989	44.191	130.33	134	1484.9
120	8.08	8.079	34.371	26.769	26.771	31.286	35.692	39.994	44.198	130.76	160	1484.9
140	8.61	8.608	34.350	26.789	26.792	31.313	35.724	40.032	44.240	129.13	186	1484.2
160	8.553	8.550	34.306	26.815	26.817	31.348	35.769	40.087	44.304	126.91	212	1482.9
180	8.054	8.053	34.327	26.914	26.917	31.435	35.843	40.148	44.353	118.04	236	1485.9
200	8.937	8.917	34.307	26.916	26.920	31.440	35.851	40.158	44.367	118.16	260	1485.3
220	8.761	8.740	34.318	26.951	26.954	31.479	35.894	40.205	44.417	115.17	283	1485.0
240	8.687	8.663	34.321	26.964	26.968	31.494	35.911	40.224	44.437	114.22	306	1485.0
260	8.396	8.370	34.488	26.980	26.984	31.518	35.942	40.261	44.481	112.84	329	1484.2
280	8.039	8.012	34.459	27.008	27.012	31.554	35.986	40.313	44.541	110.38	351	1483.1
300	8.28	8.266	34.446	27.027	27.031	31.579	36.016	40.348	44.580	108.72	373	1482.6
320	8.74	8.734	34.418	27.065	27.070	31.628	36.077	40.420	44.662	105.14	400	1481.1
340	8.071	8.040	34.387	27.080	27.084	31.651	36.107	40.457	44.706	103.87	426	1480.3
360	8.998	8.977	34.322	27.113	27.117	31.701	36.173	40.540	44.804	100.36	452	1477.9
380	8.902	8.886	34.351	27.135	27.139	31.723	36.196	40.562	44.826	98.74	477	1478.4
400	8.779	8.744	34.280	27.138	27.142	31.739	36.224	40.603	44.879	98.30	501	1476.6
420	8.660	8.623	34.284	27.154	27.159	31.759	36.247	40.629	44.908	96.86	526	1476.6
440	8.660	8.623	34.280	27.164	27.169	31.772	36.263	40.648	44.930	96.04	550	1476.5
460	8.58	8.558	34.249	27.184	27.188	31.802	36.304	40.699	44.990	93.99	574	1475.2
480	8.76	8.735	34.282	27.208	27.213	31.826	36.328	40.721	45.013	92.21	620	1476.1
500	8.752	8.709	34.252	27.239	27.243	31.871	36.386	40.793	45.097	89.01	665	1474.7
520	8.489	8.464	34.260	27.271	27.276	31.910	36.432	40.846	45.156	85.97	709	1474.4
540	8.16	8.168	34.279	27.303	27.307	31.947	36.473	40.891	45.205	83.11	751	1474.6
560	8.980	8.960	34.282	27.319	27.324	31.968	36.49					

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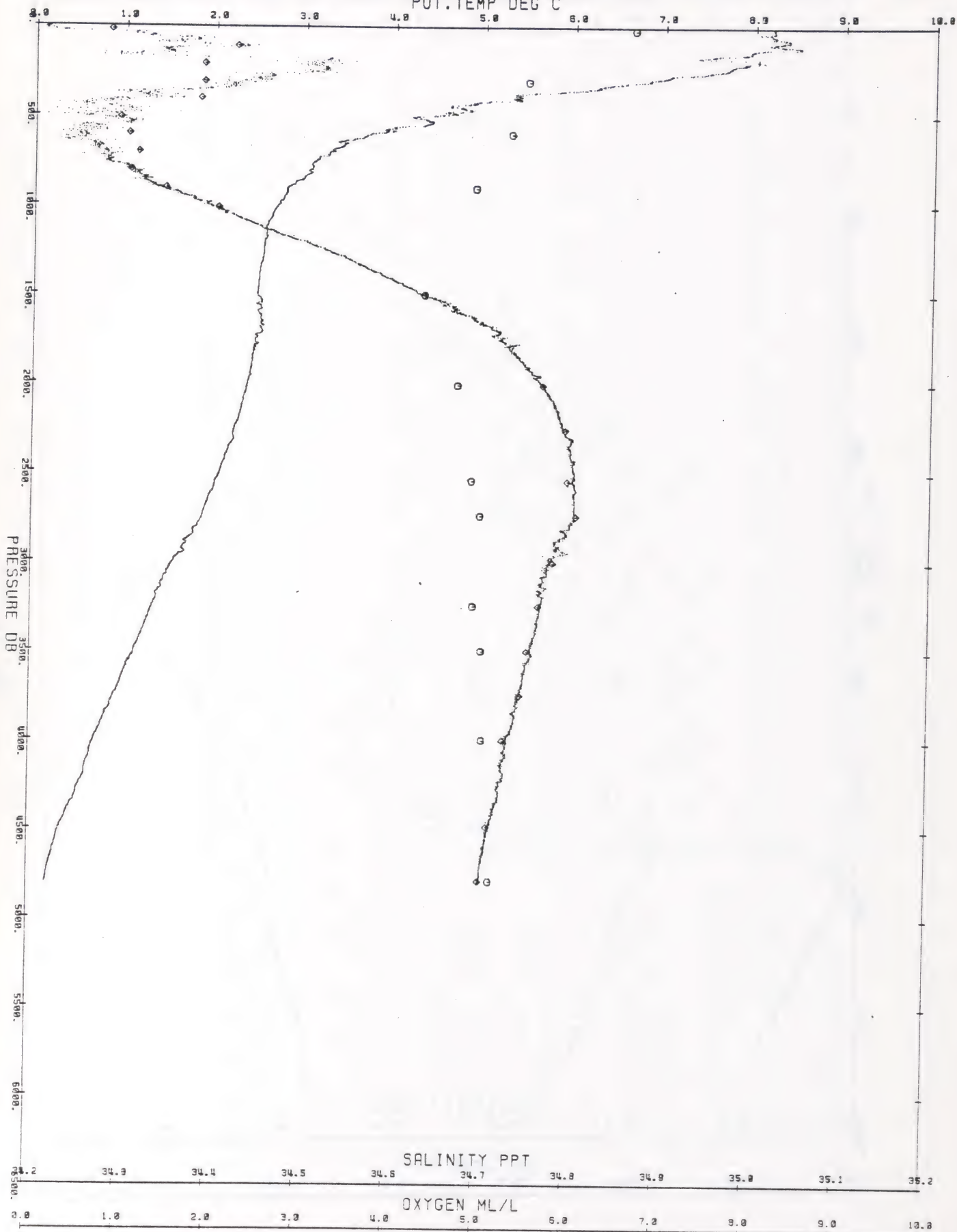
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ST 48

LAT -43.441

LONG 15.024

POT. TEMP DEG C





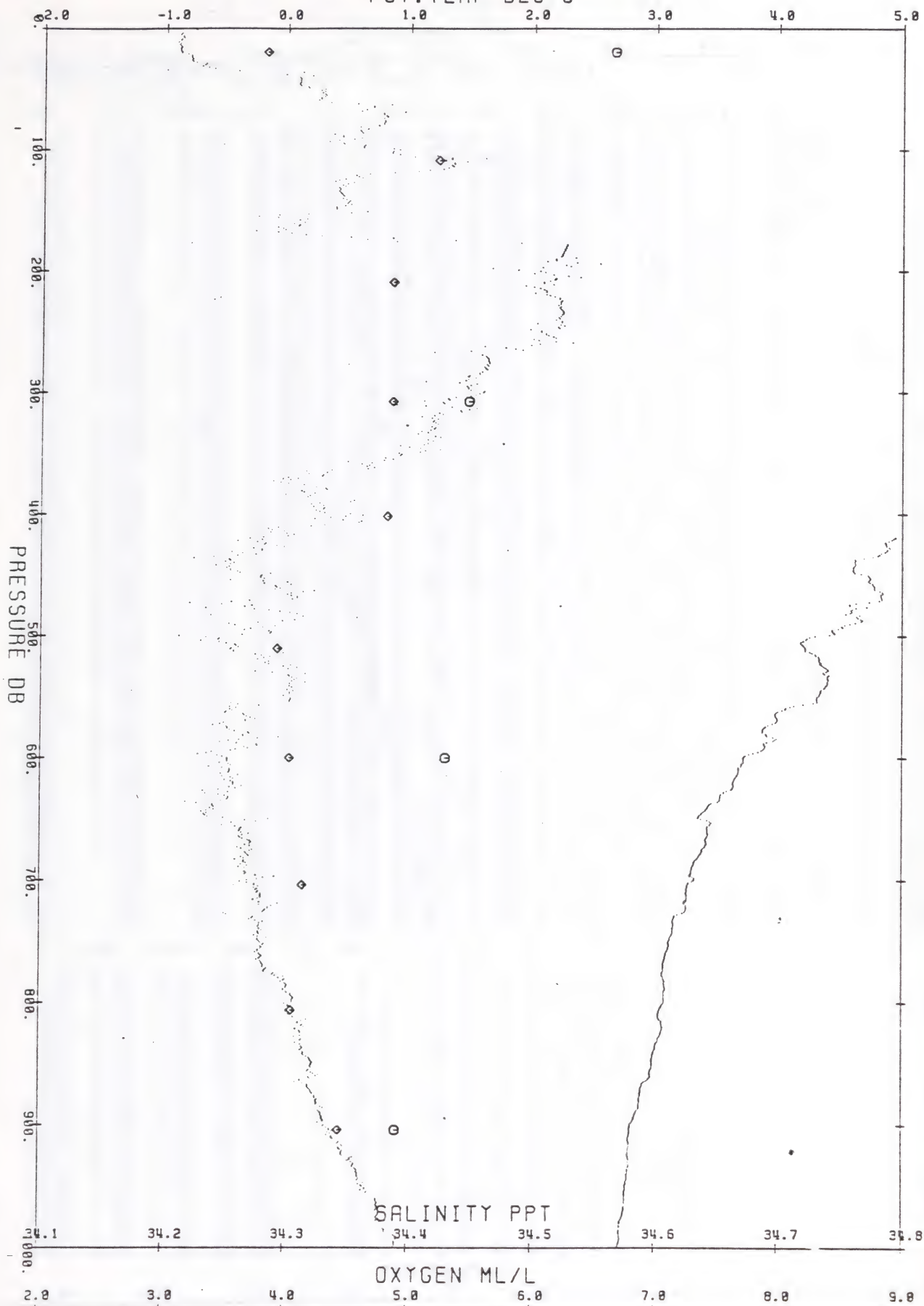
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ST 48

LAT -43.441

LONG 15.024

POT. TEMP DEG C

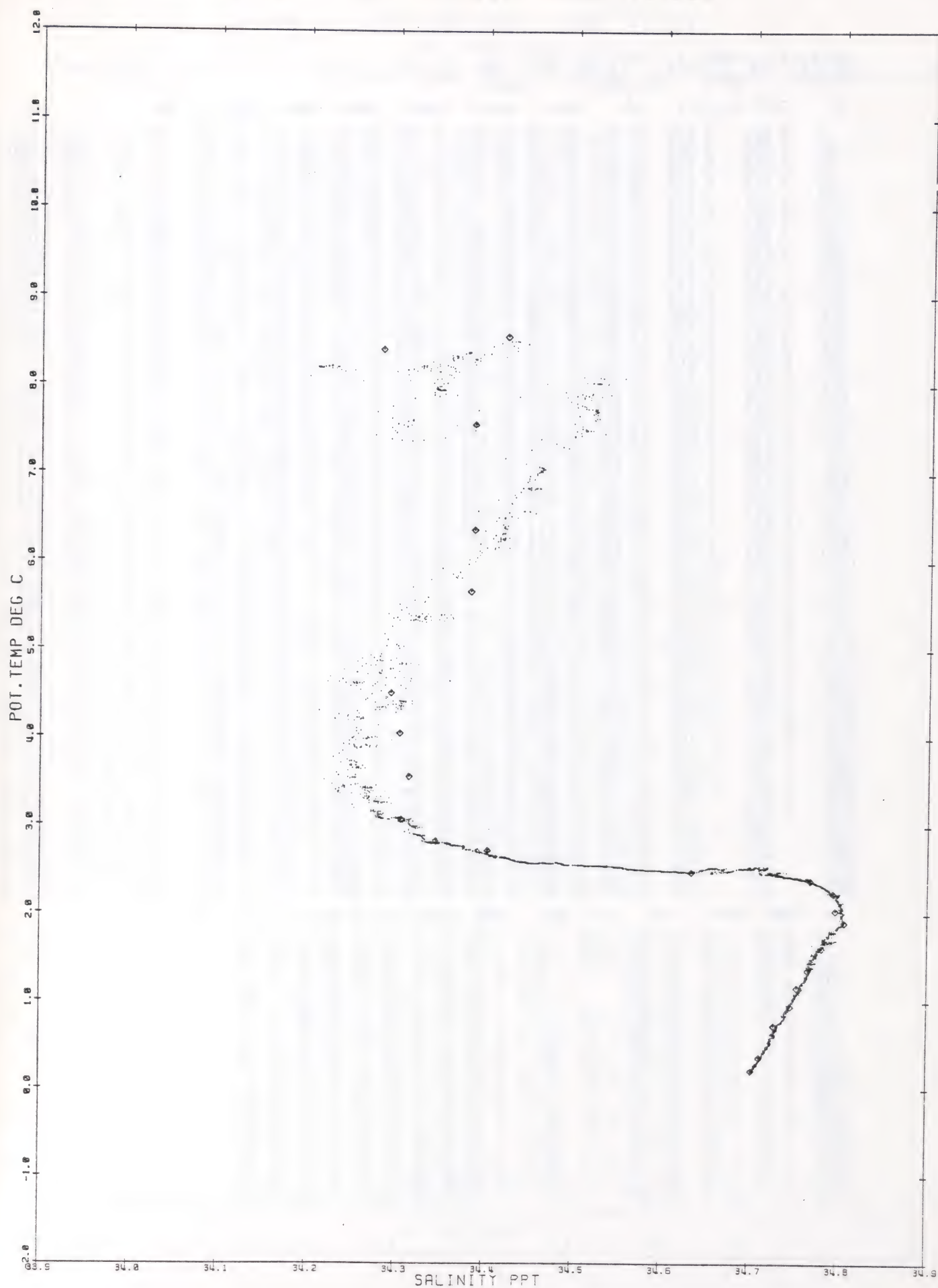


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ST 48

LAT -43.441

LONG 15.024





DE	TEMP	THETA	SAL	SGM-T	SGM-0	SGM-1	SGM-2	SGM-3	SGM-4	AN	HZ	SVEL
0	8.837	8.837	34.271	26.593	26.594	31.095	35.487	39.777	43.967	145.24	000	1485.2
20	8.884	8.884	34.288	26.552	26.553	31.053	35.445	39.734	43.924	149.54	029	1485.6
40	8.938	8.938	34.356	26.553	26.553	31.164	35.567	39.866	44.066	140.43	058	1484.3
60	8.980	8.980	34.481	26.690	26.690	31.174	35.578	39.877	44.078	139.98	087	1484.3
80	9.029	9.029	34.563	26.719	26.719	31.206	35.614	39.917	44.122	137.64	114	1484.0
100	9.071	9.071	34.611	26.758	26.758	31.242	35.654	39.962	44.171	135.11	142	1483.3
120	9.117	9.117	34.712	26.771	26.771	31.281	35.693	40.000	44.209	131.73	168	1483.3
140	9.159	9.159	34.840	26.774	26.774	31.315	35.729	40.010	44.217	130.83	194	1484.0
160	9.199	9.199	34.935	26.790	26.790	31.352	35.770	40.039	44.249	129.38	221	1484.0
180	9.242	9.242	35.040	26.822	26.822	31.387	35.802	40.084	44.298	126.61	246	1483.3
200	9.284	9.284	35.105	26.862	26.862	31.433	35.852	40.113	44.325	123.53	271	1484.6
220	9.321	9.321	35.143	26.901	26.901	31.470	35.893	40.166	44.381	119.76	295	1484.0
240	9.351	9.351	35.199	26.934	26.934	31.502	35.930	40.211	44.430	116.91	319	1484.0
260	9.384	9.384	35.283	26.960	26.960	31.516	35.950	40.256	44.481	114.68	342	1483.3
280	9.411	9.411	35.398	26.999	26.999	31.554	35.995	40.330	44.565	111.25	368	1482.3
300	9.439	9.439	35.466	27.028	27.028	31.591	36.041	40.385	44.628	108.68	415	1481.0
320	9.467	9.467	35.533	27.049	27.049	31.621	36.078	40.430	44.681	106.77	442	1480.0
340	9.491	9.491	35.611	27.066	27.066	31.647	36.112	40.471	44.729	105.17	469	1479.2
360	9.514	9.514	35.716	27.088	27.088	31.679	36.155	40.524	44.791	103.08	495	1477.9
380	9.530	9.530	35.856	27.102	27.102	31.699	36.181	40.556	44.830	101.82	520	1477.2
400	9.543	9.543	35.933	27.118	27.118	31.723	36.213	40.595	44.876	100.29	546	1476.4
420	9.550	9.550	36.023	27.134	27.134	31.745	36.241	40.629	44.914	98.73	570	1475.9
440	9.563	9.563	36.088	27.144	27.144	31.758	36.255	40.646	44.934	97.96	595	1475.9
460	9.570	9.570	36.122	27.171	27.171	31.794	36.303	40.702	44.999	95.35	643	1475.1
480	9.578	9.578	36.208	27.201	27.201	31.829	36.341	40.744	45.045	92.79	690	1475.3
500	9.584	9.584	36.266	27.228	27.228	31.863	36.381	40.791	45.097	90.30	736	1475.5
520	9.588	9.588	36.319	27.264	27.264	31.903	36.423	40.835	45.144	87.10	780	1475.5
540	9.590	9.590	36.380	27.320	27.320	31.931	36.454	40.869	45.180	84.88	823	1476.0
560	9.593	9.593	36.413	27.342	27.342	31.966						

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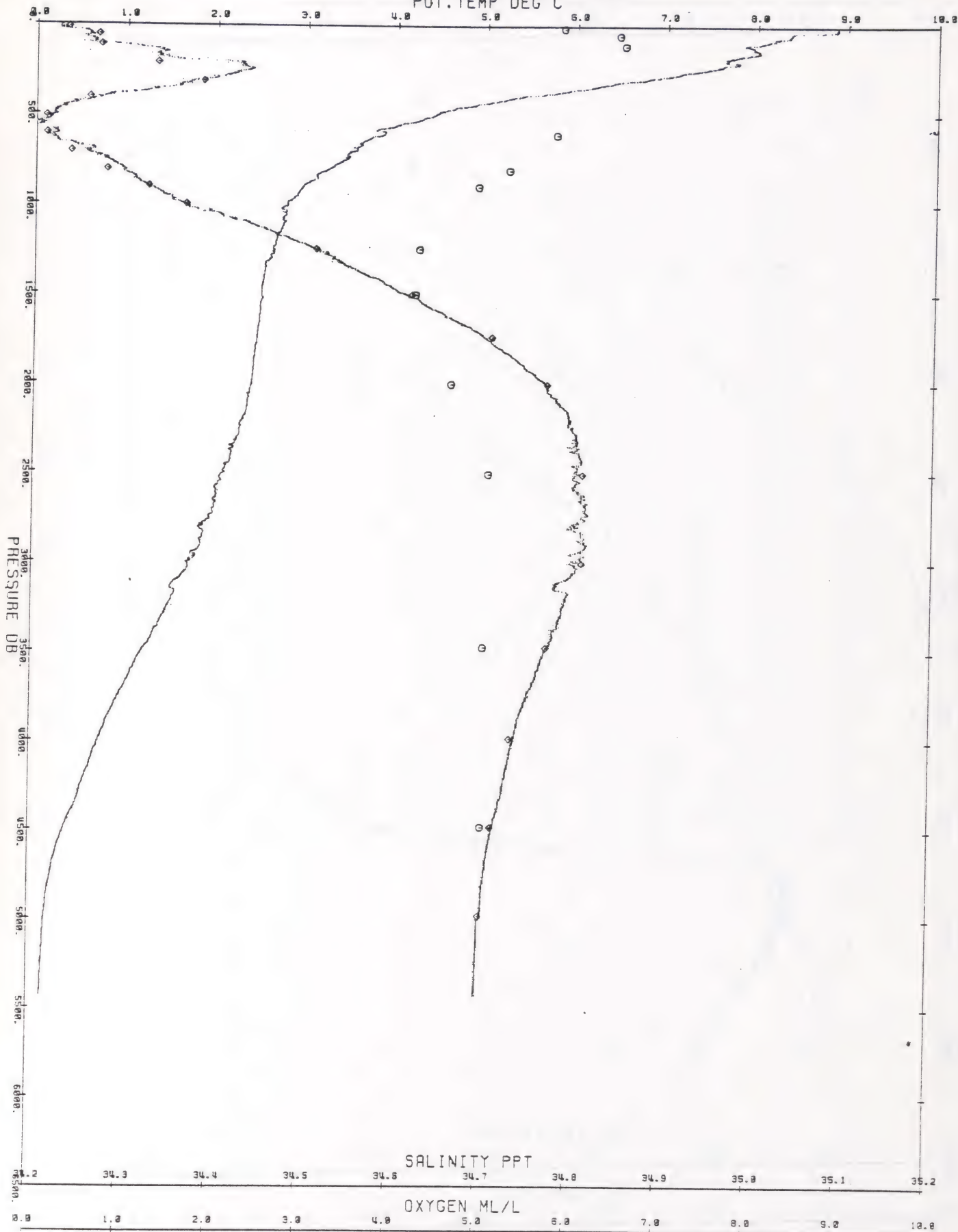
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ST 49

LAT -42.683

LONG 15.317

POT. TEMP DEG C





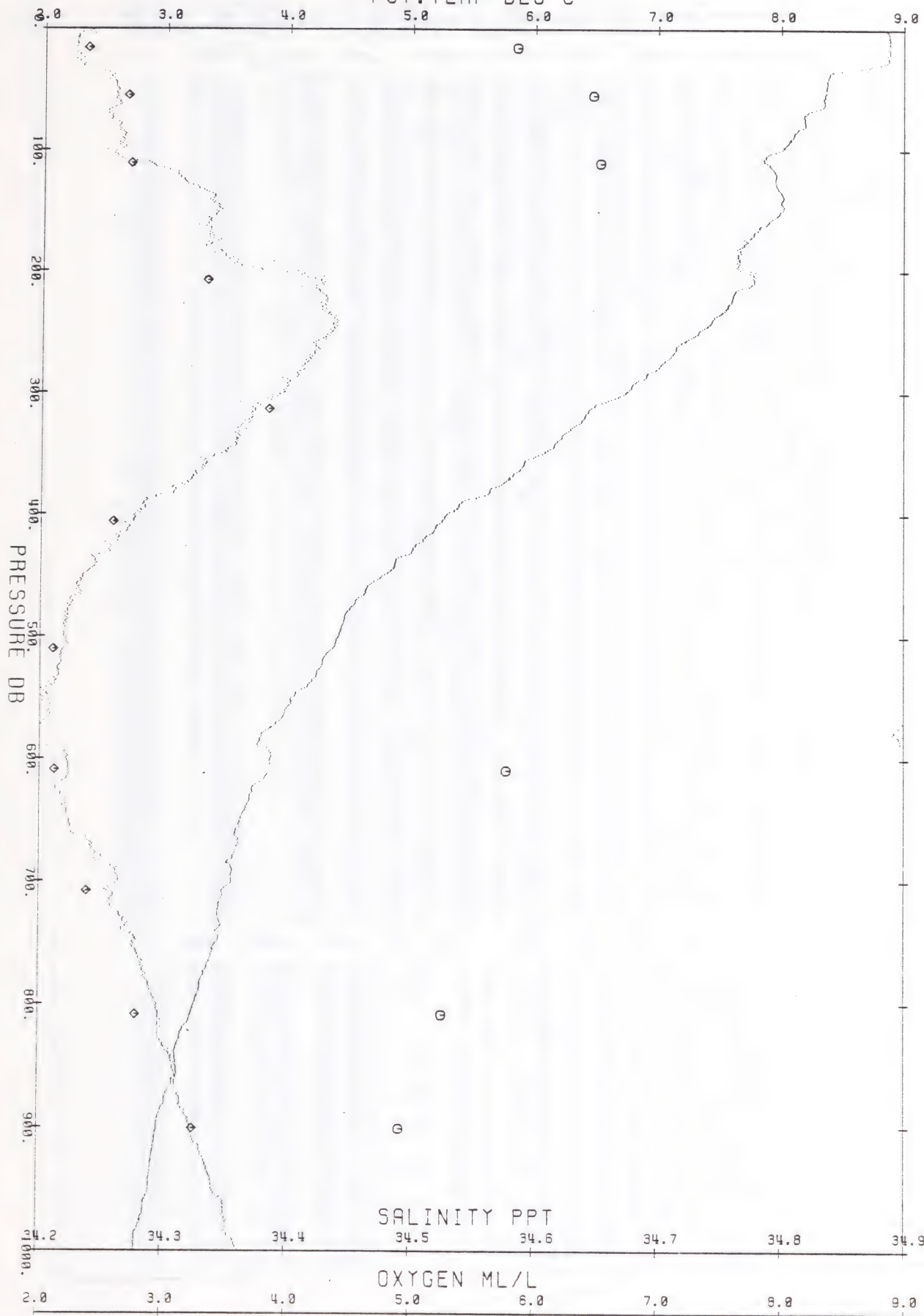
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ST 49

LAT -42.683

LONG 15.317

POT. TEMP DEG C

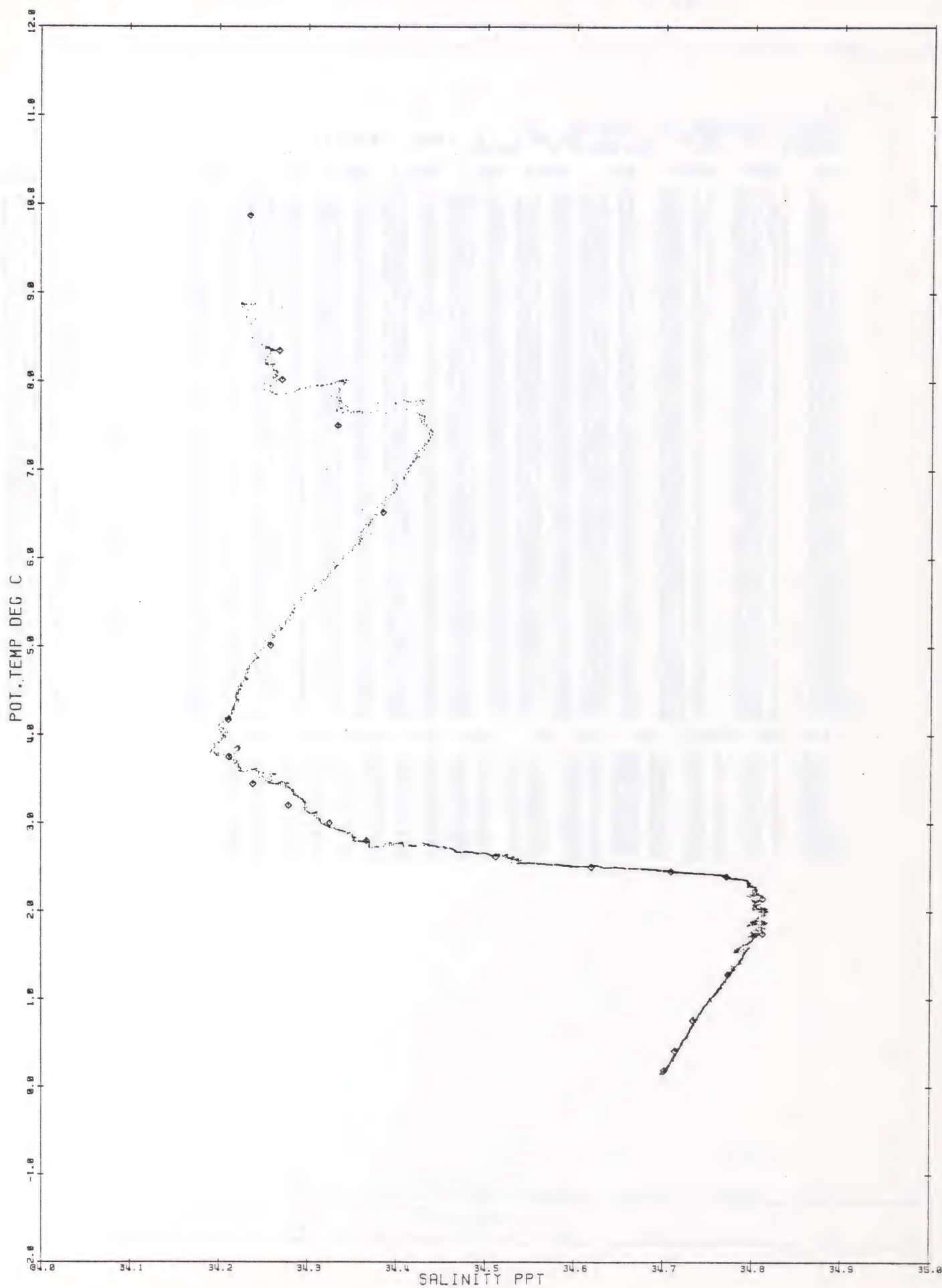


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ST 49

LAT -42.683

LONG 15.317





SHIP ID CRUISE 11 STATION 50  
 START 42 42.00 S 15 50.60 E AT 1604 76/12/16  
 WIND = 7M/S COR. DEPTH = 4716M

DE	TEMP	THETA	SAL	SGM-T	SGM-O	SGM-1	SGM-2	SGM-3	SGM-4	AN	HZ	SVEL
0	14.195	14.195	35.263	26.366	26.367	30.750	35.028	39.208	43.294	166.82	.000	1505.1
20	14.172	14.169	35.259	26.368	26.370	30.753	35.033	39.212	43.298	167.24	.033	1505.4
40	13.595	13.590	35.147	26.402	26.404	30.845	35.090	39.281	43.378	164.53	.067	1503.7
60	13.009	13.001	35.035	26.435	26.438	30.945	35.148	39.351	43.458	161.86	.099	1501.9
80	12.519	12.508	34.966	26.480	26.483	30.900	35.213	39.425	43.542	158.11	.131	1500.5
100	11.894	11.881	34.898	26.548	26.551	30.882	35.307	39.531	43.660	152.07	.162	1498.6
120	11.648	11.632	34.888	26.582	26.585	30.882	35.355	39.581	43.714	149.25	.192	1496.6
140	11.169	11.151	34.830	26.630	26.632	30.882	35.420	39.659	43.802	145.09	.222	1494.6
160	10.939	10.920	34.830	26.672	26.674	30.882	35.520	39.716	43.882	141.53	.252	1492.6
180	10.491	10.470	34.763	26.700	26.705	30.882	35.597	39.773	43.929	139.18	.282	1490.6
200	10.284	10.260	34.740	26.719	26.724	30.882	35.663	39.805	43.965	137.77	.312	1488.6
220	9.803	9.778	34.669	26.746	26.751	30.882	35.663	39.864	44.034	135.46	.342	1486.6
240	9.425	9.398	34.651	26.795	26.800	30.882	35.663	39.938	44.115	131.09	.372	1484.6
260	9.459	9.429	34.679	26.811	26.817	30.882	35.663	39.952	44.129	129.94	.402	1482.6
280	9.253	9.222	34.668	26.837	26.842	30.882	35.663	39.991	44.172	127.84	.432	1480.6
300	9.061	9.028	34.650	26.853	26.859	30.882	35.663	40.021	44.206	126.54	.462	1478.6
325	8.834	8.799	34.672	26.907	26.913	30.882	35.663	40.090	44.278	121.84	.492	1476.6
350	8.494	8.457	34.624	26.923	26.930	30.882	35.663	40.139	44.325	120.53	.522	1474.6
375	8.235	8.198	34.577	26.994	26.998	30.882	35.663	40.190	44.396	117.80	.552	1472.6
400	7.939	7.899	34.501	27.011	27.018	30.882	35.663	40.237	44.449	114.96	.582	1470.6
425	7.710	7.666	34.529	27.039	27.046	30.882	35.663	40.281	44.497	112.80	.612	1468.6
450	7.475	7.428	34.478	27.075	27.081	30.882	35.663	40.335	44.559	110.23	.642	1466.6
475	7.210	7.159	34.430	27.111	27.117	30.882	35.663	40.388	44.647	106.66	.672	1464.6
500	6.966	6.911	34.357	27.154	27.160	30.882	35.663	40.442	44.737	103.00	.702	1462.6
525	6.720	6.663	34.324	27.181	27.187	30.882	35.663	40.495	44.859	98.58	.732	1460.6
550	6.482	6.423	34.316	27.217	27.223	30.882	35.663	40.549	44.931	96.03	.762	1458.6
575	6.244	6.183	34.306	27.244	27.250	30.882	35.663	40.602	45.006	93.56	.792	1456.6
600	6.008	5.946	34.296	27.271	27.277	30.882	35.663	40.656	45.081	90.69	.822	1454.6
625	5.772	5.709	34.286	27.298	27.304	30.882	35.663	40.709	45.156	87.33	.852	1452.6
650	5.537	5.473	34.276	27.325	27.331	30.882	35.663	40.763	45.231	84.47	.882	1450.6
675	5.301	5.236	34.266	27.352	27.358	30.882	35.663	40.816	45.306	81.36	.912	1448.6
700	5.066	5.000	34.256	27.379	27.385	30.882	35.663	40.870	45.381	78.19	.942	1446.6
725	4.831	4.764	34.246	27.406	27.412	30.882	35.663	40.923	45.456	75.27	.972	1444.6
750	4.596	4.528	34.236	27.433	27.439	30.882	35.663	40.977	45.531	72.12	1.002	1442.6
775	4.361	4.292	34.226	27.460	27.466	30.882	35.663	41.030	45.606	68.50	1.032	1440.6
800	4.126	4.056	34.216	27.487	27.493	30.882	35.663	41.084	45.681	64.22	1.062	1438.6
825	3.891	3.820	34.206	27.514	27.520	30.882	35.663	41.137	45.756	59.82	1.092	1436.6
850	3.656	3.584	34.196	27.541	27.547	30.882	35.663	41.191	45.831	55.44	1.122	1434.6
875	3.421	3.348	34.186	27.568	27.574	30.882	35.663	41.244	45.906	51.06	1.152	1432.6
900	3.186	3.112	34.176	27.595	27.601	30.882	35.663	41.298	45.981	46.68	1.182	1430.6
925	2.951	2.876	34.166	27.622	27.628	30.882	35.663	41.351	46.056	42.30	1.212	1428.6
950	2.716	2.640	34.156	27.649	27.655	30.882	35.663	41.405	46.131	37.92	1.242	1426.6
975	2.481	2.404	34.146	27.676	27.682	30.882	35.663	41.458	46.206	33.54	1.272	1424.6
1000	2.246	2.168	34.136	27.703	27.709	30.882	35.663	41.512	46.281	29.16	1.302	1422.6
1025	2.011	1.932	34.126	27.730	27.736	30.882	35.663	41.565	46.356	24.78	1.332	1420.6
1050	1.776	1.696	34.116	27.757	27.763	30.882	35.663	41.619	46.431	20.40	1.362	1418.6
1075	1.541	1.460	34.106	27.784	27.790	30.882	35.663	41.672	46.506	16.02	1.392	1416.6
1100	1.306	1.224	34.096	27.811	27.817	30.882	35.663	41.726	46.581	11.64	1.422	1414.6
1125	1.071	1.000	34.086	27.838	27.844	30.882	35.663	41.779	46.656	7.26	1.452	1412.6
1150	0.836	0.764	34.076	27.865	27.871	30.882	35.663	41.833	46.731	2.88	1.482	1410.6
1175	0.601	0.528	34.066	27.892	27.898	30.882	35.663	41.886	46.806	-1.50	1.512	1408.6
1200	0.366	0.292	34.056	27.919	27.925	30.882	35.663	41.940	46.881	-5.88	1.542	1406.6
1225	0.131	0.056	34.046	27.946	27.952	30.882	35.663	41.993	46.956	-10.26	1.572	1404.6
1250	-0.104	-0.028	34.036	27.973	27.979	30.882	35.663	42.047	47.031	-14.64	1.602	1402.6
1275	-0.339	-0.262	34.026	27.999	28.005	30.882	35.663	42.100	47.106	-19.02	1.632	1400.6
1300	-0.574	-0.496	34.016	28.026	28.032	30.882	35.663	42.154	47.181	-23.40	1.662	1398.6
1325	-0.809	-0.730	34.006	28.053	28.059	30.882	35.663	42.207	47.256	-27.78	1.692	1396.6
1350	-1.044	-0.964	33.996	28.080	28.086	30.882	35.663	42.261	47.331	-32.16	1.722	1394.6
1375	-1.279	-1.198	33.986	28.107	28.113	30.882	35.663	42.314	47.406	-36.54	1.752	1392.6
1400	-1.514	-1.432	33.976	28.134	28.140	30.882	35.663	42.368	47.481	-40.92	1.782	1390.6
1425	-1.749	-1.666	33.966	28.161	28.167	30.882	35.663	42.421	47.556	-45.30	1.812	1388.6
1450	-1.984	-1.899	33.956	28.188	28.194	30.882	35.663	42.475	47.631	-49.68	1.842	1386.6
1475	-2.219	-2.132	33.946	28.215	28.221	30.882	35.663	42.528	47.706	-54.06	1.872	1384.6
1500	-2.454	-2.366	33.936	28.242	28.248	30.882	35.663	42.582	47.781	-58.44	1.902	1382.6
1525	-2.689	-2.599	33.926	28.269	28.275	30.882	35.663	42.635	47.856	-62.82	1.932	1380.6
1550	-2.924	-2.832	33.916	28.296	28.302	30.882	35.663	42.689	47.931	-67.20	1.962	1378.6
1575	-3.159	-3.065	33.906	28.323	28.329	30.882	35.663	42.742	48.006	-71.58	1.992	1376.6
1600	-3.394	-3.298	33.896	28.350	28.356	30.882	35.663	42.796	48.081	-75.96	2.022	1374.6
1625	-3.629	-3.532	33.886	28.377	28.383	30.882	35.663	42.849	48.156	-80.34	2.052	1372.6
1650	-3.864	-3.766	33.876	28.404	28.410	30.882	35.663	42.903	48.231	-84.72	2.082	1370.6
1675	-4.099	-4.000	33.866	28.431	28.437	30.882	35.663	42.956	48.306	-89.10	2.112	1368.6
1700	-4.334	-4.234	33.856	28.458	28.464	30.882	35.663	43.010	48.381	-93.48	2.142	1366.6
1725	-4.569	-4.468	33.846	28.485	28.491	30.882	35.663	43.063	48.456	-97.86	2.172	1364.6
1750	-4.804	-4.702	33.836	28.512	28.518	30.882	35.663	43.117	48.531	-102.24	2.202	1362.6
1775	-5.039	-4.936	33.826	28.539	28.545	30.882	35.663	43.170	48.606	-106.62	2.232	1360.6
1800	-5.274	-5.169	33.816	28.566	28.572	30.882	35.663	43.224	48.681	-111.00	2.262	1358.6
1825	-5.509	-5.402	33.806	28.593	28.599	30.882	35.663	43.277	48.756	-115.38	2.292	1356.6
1850	-5.744	-5.636	33.796	28.620	28.626	30.882	35.663	43.331	48.831	-119.76	2.322	1354.6
1875	-5.979	-5.869	33.786	28.647	28.653	30.882	35.663	43.384	48.906	-124.14	2.352	1352.6
1900	-6.214	-6.103	33.776	28.674	28.680	30.882	35.663	43.438	48.981	-128.52	2.382	1350.6
1925	-6.449	-6.337	33.766	28.701	28.707	30.882	35.663	43.491	49.056	-132.90	2.412	1348.6
1950	-6.684	-6.571	33.756	28.728	28.734	30.882	35.663	43.545	49.131	-137.28	2.442	1346.6
1975	-6.919	-6.805	33.746	28.755	28.761	30.882	35.663	43.598	49.206	-141.66	2.472	1344.6
2000	-7.154	-7.039	33.736	28.782	28.788	30.882	35.663	43.652	49.281	-146.04	2.502	1342.6
2025	-7.389	-7.272	33.726	28.809	28.815	30.882	35.663	43.705	49.356	-150.42	2.532	1340.6
2050	-7.624	-7.506	33.716	28.836	28.842	30.882	35.663	43.759	49.431	-154.80	2.562	1

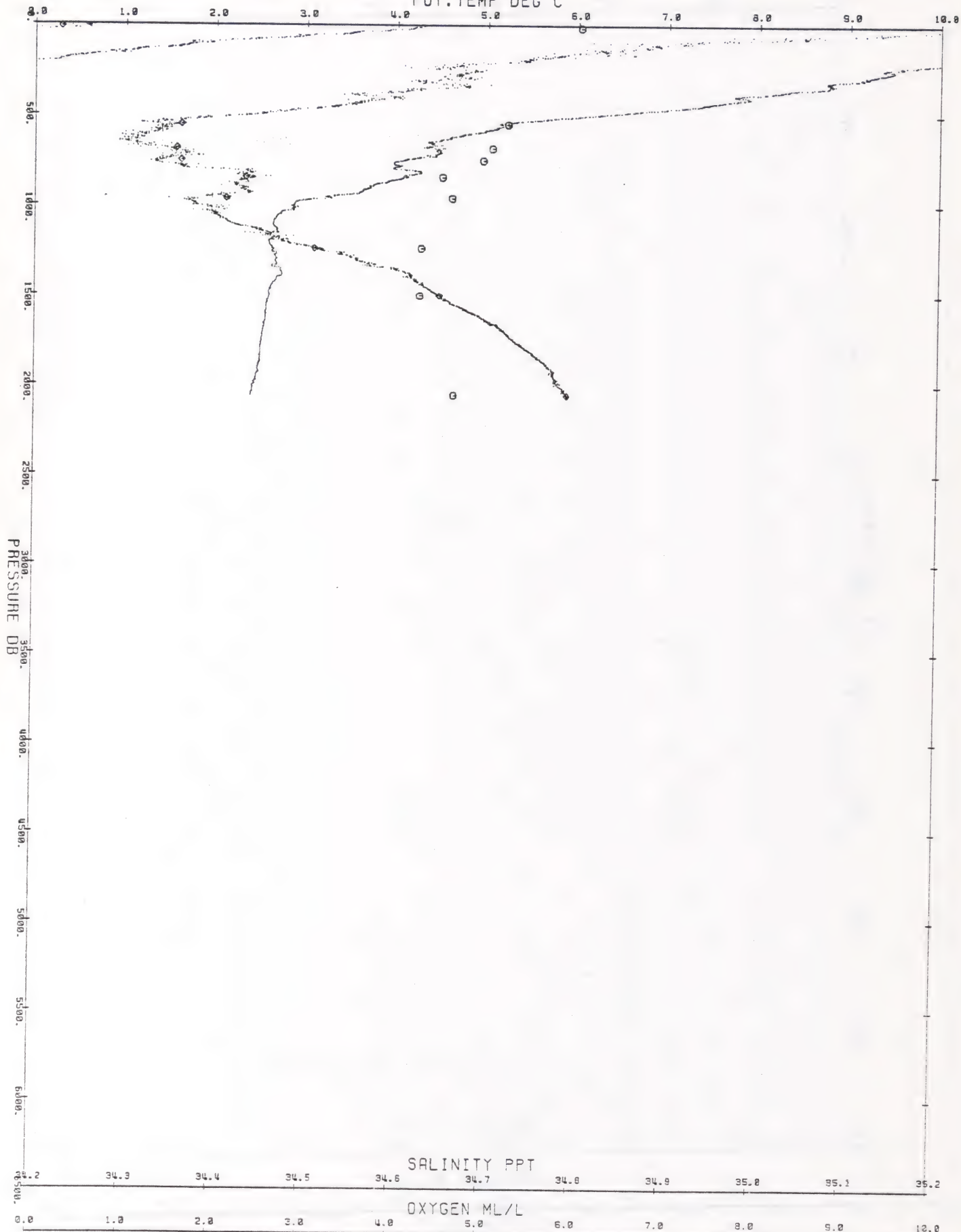
1011

ST 50

LAT -41.580

LONG 15.506

POT. TEMP DEG C





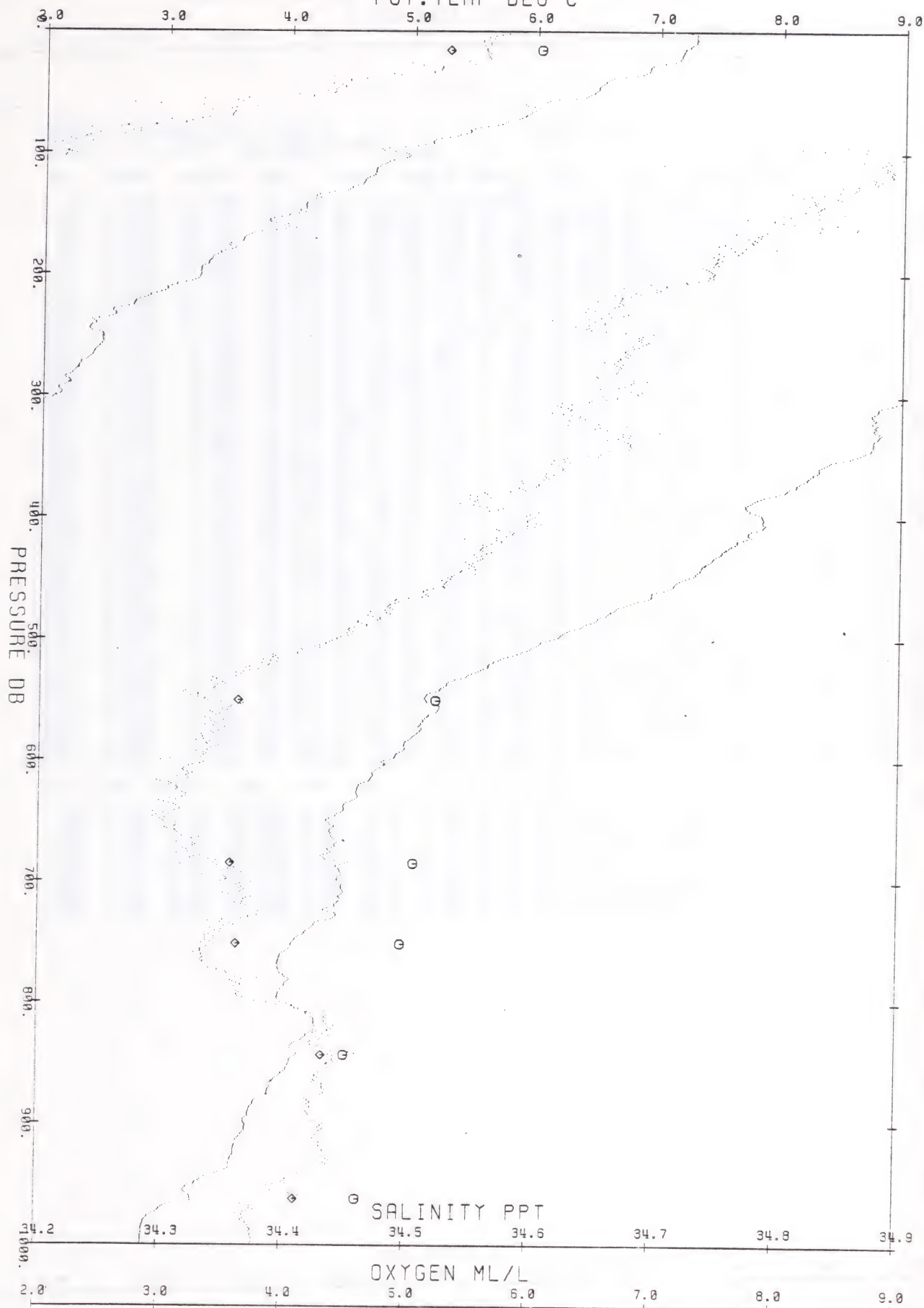
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ST 50

LAT -41.580

LONG 15.506

POT. TEMP DEG C

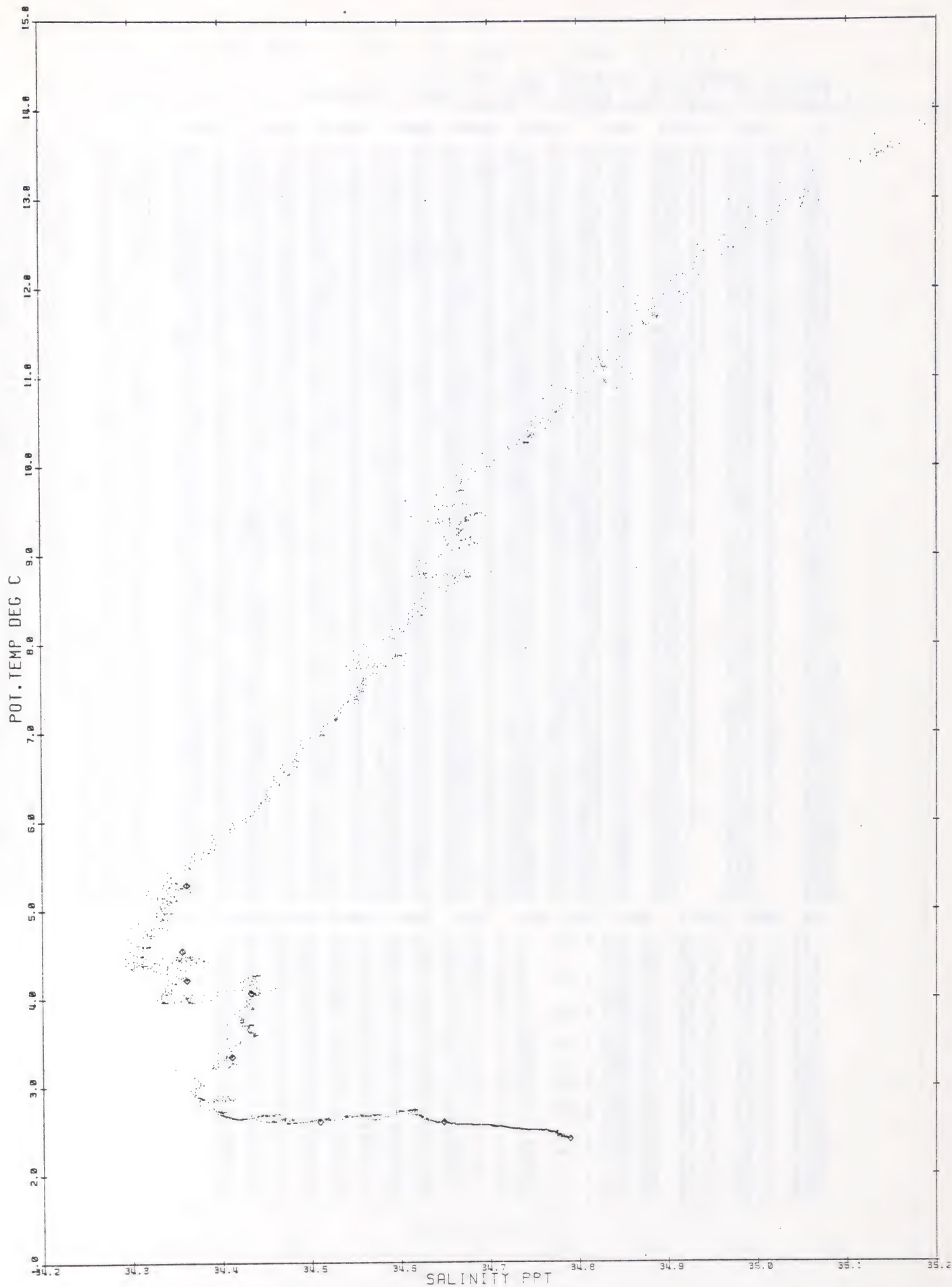


1011

ST 50

LAT -41.580

LONG 15.506





SHIP ID CRUISE 11 STATION 51  
 START 42 1.30 S 16 12.70 E AT 2214 76/12/16  
 WIND = 9M/S COR. DEPTH = 4953M

DE	TEMP	THETA	SAL	SGM-T	SGM-O	SGM-1	SGM-2	SGM-3	SGM-4	AN	HZ	SVEL
0	20.125	20.125	35.489	25.118	25.120	29.400	33.580	37.664	41.657	285.40	000	1523.0
20	17.332	17.332	35.447	25.794	25.796	30.121	34.345	38.472	42.506	221.85	051	1515.4
40	17.019	17.019	35.410	25.841	25.844	30.175	34.404	38.536	42.575	221.85	095	1514.8
60	16.071	16.071	35.348	26.015	26.019	30.366	34.612	38.760	42.814	202.06	137	1512.1
80	15.683	15.683	35.332	26.091	26.096	30.451	34.703	38.857	42.918	195.39	176	1511.2
100	15.430	15.430	35.417	26.214	26.219	30.578	34.834	38.992	43.057	184.31	214	1510.9
120	14.447	14.447	35.332	26.365	26.370	30.747	35.022	39.197	43.278	170.48	250	1508.0
140	14.032	14.032	35.267	26.403	26.409	30.795	35.077	39.260	43.349	167.32	284	1506.9
160	13.926	13.926	35.048	26.463	26.467	30.876	35.180	39.385	43.494	162.03	317	1503.3
180	13.488	13.488	35.008	26.513	26.524	30.942	35.293	39.468	43.585	157.08	349	1502.1
200	13.519	13.519	35.046	26.541	26.547	30.965	35.325	39.489	43.605	155.45	380	1502.6
220	12.811	12.811	35.034	26.579	26.586	31.008	35.378	39.541	43.662	152.29	411	1502.1
240	11.853	11.853	34.973	26.614	26.621	31.052	35.378	39.603	43.731	149.34	441	1500.9
260	11.340	11.340	34.914	26.664	26.671	31.113	35.450	39.685	43.824	144.82	470	1499.3
280	10.911	10.911	34.826	26.675	26.682	31.134	35.479	39.723	43.871	144.08	499	1498.0
300	10.946	10.946	34.914	26.736	26.744	31.195	35.539	39.782	43.928	138.73	527	1498.6
320	10.445	10.445	34.839	26.768	26.775	31.233	35.592	39.845	44.002	136.04	552	1497.1
340	10.274	10.274	34.781	26.789	26.799	31.233	35.614	39.871	44.030	135.20	586	1496.9
360	9.444	9.444	34.738	26.800	26.817	31.233	35.661	39.927	44.095	135.20	622	1495.7
380	9.428	9.428	34.690	26.800	26.833	31.233	35.661	39.927	44.095	131.52	652	1494.4
400	8.437	8.437	34.532	26.800	26.869	31.374	35.775	40.072	44.270	128.02	685	1491.1
420	8.280	8.280	34.532	26.900	26.907	31.420	35.824	40.124	44.325	124.40	726	1490.0
440	8.406	8.406	34.617	26.931	26.939	31.448	35.849	40.146	44.344	122.05	757	1491.1
460	8.301	8.301	34.622	26.931	26.960	31.471	35.874	40.174	44.374	120.48	787	1491.1
480	8.455	8.455	34.448	26.931	26.933	31.581	35.918	40.351	44.583	112.63	846	1486.6
500	8.419	8.419	34.416	26.931	26.966	31.624	35.972	40.414	44.656	109.77	901	1485.9
520	8.599	8.599	34.416	26.931	26.933	31.688	35.966	40.518	44.778	105.20	955	1483.3
540	8.008	8.008	34.416	26.931	26.933	31.739	35.966	40.609	44.889	101.56	1007	1480.0
560	8.047	8.047	34.416	26.931	26.933	31.787	35.966	40.644	44.917	97.49	1056	1482.2
580	8.431	8.431	34.368	26.931	26.933	31.817	35.966	40.705	44.994	95.36	1105	1480.0
600	8.436	8.436	34.370	26.931	26.933	31.863	35.966	40.751	45.038	91.77	1151	1481.1
620	8.250	8.250	34.370	26.931	26.933	31.891	35.966	40.788	45.079	89.74	1197	1481.1
640	8.111	8.111	34.370	26.931	26.933	31.940	35.966	40.844	45.139	85.60	1241	1482.2
660	8.288	8.288	34.370	26.931	26.933	31.973	35.966	40.891	45.193	83.00	1283	1481.1
680	8.216	8.216	34.370	26.931	26.933	31.973	35.966	40.891	45.193	83.00	1324	1481.1
700	8.024	8.024	34.370	26.931	26.933	31.973	35.966	40.891	45.193	76.76	1363	1480.0
720	8.552	8.552	34.370	26.931	26.933	31.973	35.966	40.891	45.193	71.66	1403	1481.1
740	8.444	8.444	34.370	26.931	26.933	31.973	35.966	40.891	45.193	66.19	1443	1482.2
760	8.776	8.776	34.370	26.931	26.933	31.973	35.966	40.891	45.193	61.56	1483	1484.4
780	8.647	8.647	34.370	26.931	26.933	31.973	35.966	40.891	45.193	56.93	1523	1486.6
800	8.701	8.701	34.370	26.931	26.933	31.973	35.966	40.891	45.193	52.30	1563	1487.7
820	8.669	8.669	34.370	26.931	26.933	31.973	35.966	40.891	45.193	47.67	1603	1488.8
840	8.537	8.537	34.370	26.931	26.933	31.973	35.966	40.891	45.193	43.04	1643	1489.9
860	8.516	8.516	34.370	26.931	26.933	31.973	35.966	40.891	45.193	38.41	1683	1491.0
880	8.774	8.774	34.370	26.931	26.933	31.973	35.966	40.891	45.193	33.78	1723	1492.1
900	8.277	8.277	34.370	26.931	26.933	31.973	35.966	40.891	45.193	29.15	1763	1493.2
920	8.501	8.501	34.370	26.931	26.933	31.973	35.966	40.891	45.193	24.52	1803	1494.3
940	8.265	8.265	34.370	26.931	26.933	31.973	35.966	40.891	45.193	19.89	1843	1495.4
960	8.448	8.448	34.370	26.931	26.933	31.973	35.966	40.891	45.193	15.26	1883	1496.5
980	8.991	8.991	34.370	26.931	26.933	31.973	35.966	40.891	45.193	10.63	1923	1497.6
1000	8.991	8.991	34.370	26.931	26.933	31.973	35.966	40.891	45.193	5.00	1963	1498.7
1020	8.991	8.991	34.370	26.931	26.933	31.973	35.966	40.891	45.193	0.37	2003	1499.8
1040	8.991	8.991	34.370	26.931	26.933	31.973	35.966	40.891	45.193	-0.26	2043	1500.9
1060	8.991	8.991	34.370	26.931	26.933	31.973	35.966	40.891	45.193	-0.89	2083	1502.0
1080	8.991	8.991	34.370	26.931	26.933	31.973	35.966	40.891	45.193	-1.52	2123	1503.1
1100	8.991	8.991	34.370	26.931	26.933	31.973	35.966	40.891	45.193	-2.15	2163	1504.2
1120	8.991	8.991	34.370	26.931	26.933	31.973	35.966	40.891	45.193	-2.78	2203	1505.3
1140	8.991	8.991	34.370	26.931	26.933	31.973	35.966	40.891	45.193	-3.41	2243	1506.4
1160	8.991	8.991	34.370	26.931	26.933	31.973	35.966	40.891	45.193	-4.04	2283	1507.5
1180	8.991	8.991	34.370	26.931	26.933	31.973	35.966	40.891	45.193	-4.67	2323	1508.6
1200	8.991	8.991	34.370	26.931	26.933	31.973	35.966	40.891	45.193	-5.30	2363	1509.7
1220	8.991	8.991	34.370	26.931	26.933	31.973	35.966	40.891	45.193	-5.93	2403	1510.8
1240	8.991	8.991	34.370	26.931	26.933	31.973	35.966	40.891	45.193	-6.56	2443	1511.9
1260	8.991	8.991	34.370	26.931	26.933	31.973	35.966	40.891	45.193	-7.19	2483	1513.0
1280	8.991	8.991	34.370	26.931	26.933	31.973	35.966	40.891	45.193	-7.82	2523	1514.1
1300	8.991	8.991	34.370	26.931	26.933	31.973	35.966	40.891	45.193	-8.45	2563	1515.2
1320	8.991	8.991	34.370	26.931	26.933	31.973	35.966	40.891	45.193	-9.08	2603	1516.3
1340	8.991	8.991	34.370	26.931	26.933	31.973	35.966	40.891	45.193	-9.71	2643	1517.4
1360	8.991	8.991	34.370	26.931	26.933	31.973	35.966	40.891	45.193	-10.34	2683	1518.5
1380	8.991	8.991	34.370	26.931	26.933	31.973	35.966	40.891	45.193	-10.97	2723	1519.6
1400	8.991	8.991	34.370	26.931	26.933	31.973	35.966	40.891	45.193	-11.60	2763	1520.7
1420	8.991	8.991	34.370	26.931	26.933	31.973	35.966	40.891	45.193	-12.23	2803	1521.8
1440	8.991	8.991	34.370	26.931	26.933	31.973	35.966	40.891	45.193	-12.86	2843	1522.9
1460	8.991	8.991	34.370	26.931	26.933	31.973	35.966	40.891	45.193	-13.49	2883	1524.0
1480	8.991	8.991	34.370	26.931	26.933	31.973	35.966	40.891	45.193	-14.12	2923	1525.1
1500	8.991	8.991	34.370	26.931	26.933	31.973	35.966	40.891	45.193	-14.75	2963	1526.2
1520	8.991	8.991	34.370	26.931	26.933	31.973	35.966	40.891	45.193	-15.38	3003	1527.3
1540	8.991	8.991	34.370	26.931	26.933	31.973	35.966	40.891	45.193	-16.01	3043	1528.4
1560	8.991	8.991	34.370	26.931	26.933	31.973	35.966	40.891	45.193	-16.64	3083	1529.5
1580	8.991	8.991	34.370	26.931	26.933	31.973	35.966	40.891	45.193	-17.27	3123	1530.6
1600	8.991	8.991	34.370	26.931	26.933	31.973	35.966	40.891	45.193	-17.90	3163	1531.7
1620	8.991	8.991	34.370	26.931	26.933	31.973	35.966	40.891	45.193	-18.53	3203	1532.8
1640	8.991	8.991	34.370	26.931	26.933	31.973	35.966	40.891	45.193	-19.16	3243	1533.9
1660	8.991	8.991	34.370	26.931	26.933	31.973	35.966	40.891	45.193	-19.79	3283	1535.0
1680	8.991	8.991	34.370	26.931	26.933	31.973	35.966	40.891	45.193	-20.42	3323	1536.1
1700	8.991	8.991	34.370	26.931	26.933	31.973	35.966	40.891	45.193	-21.05	3363	1537.2
1720	8.991	8.991	34.370	26.931								



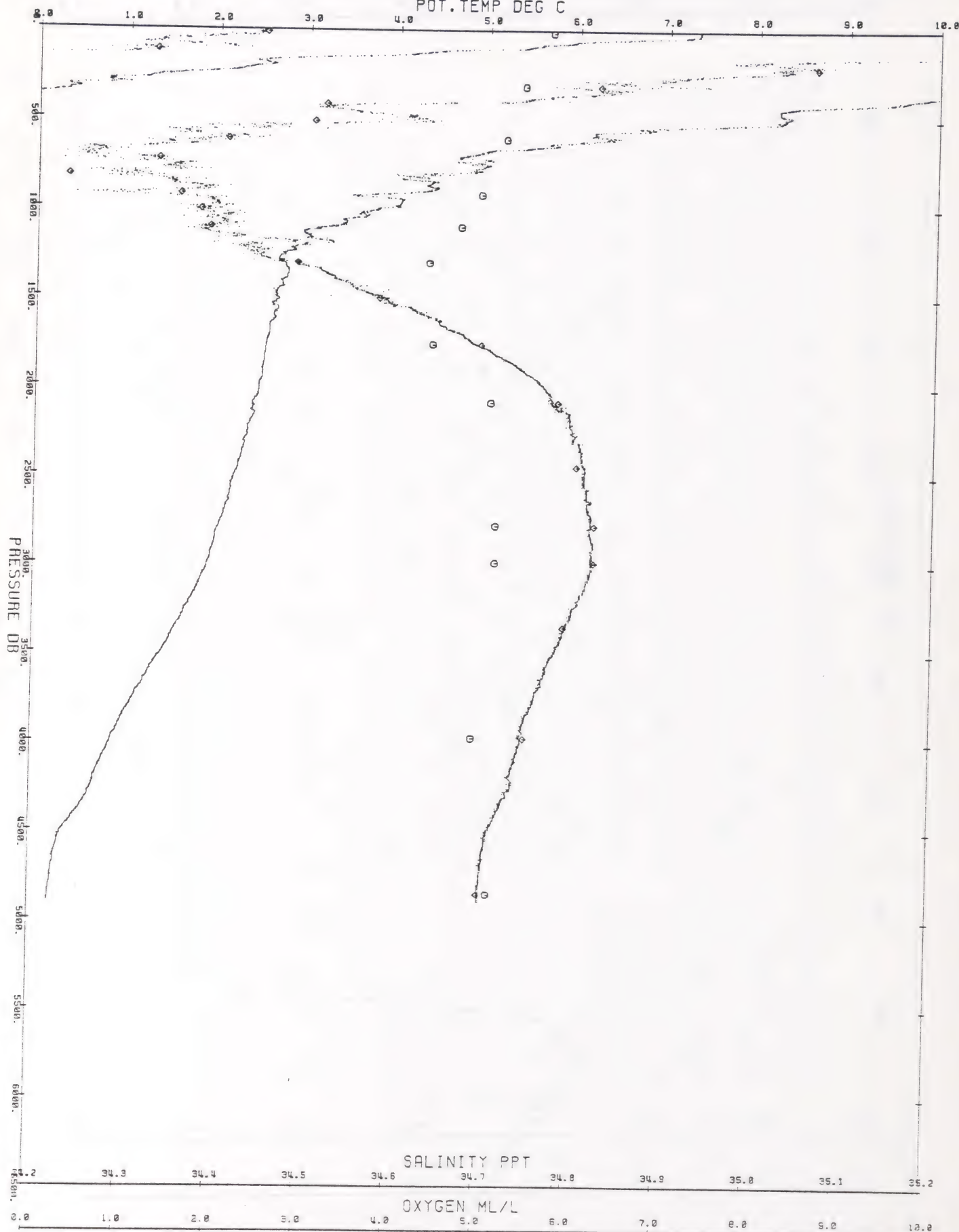
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ST 51

LAT -41.987

LONG 16.127

POT. TEMP DEG C





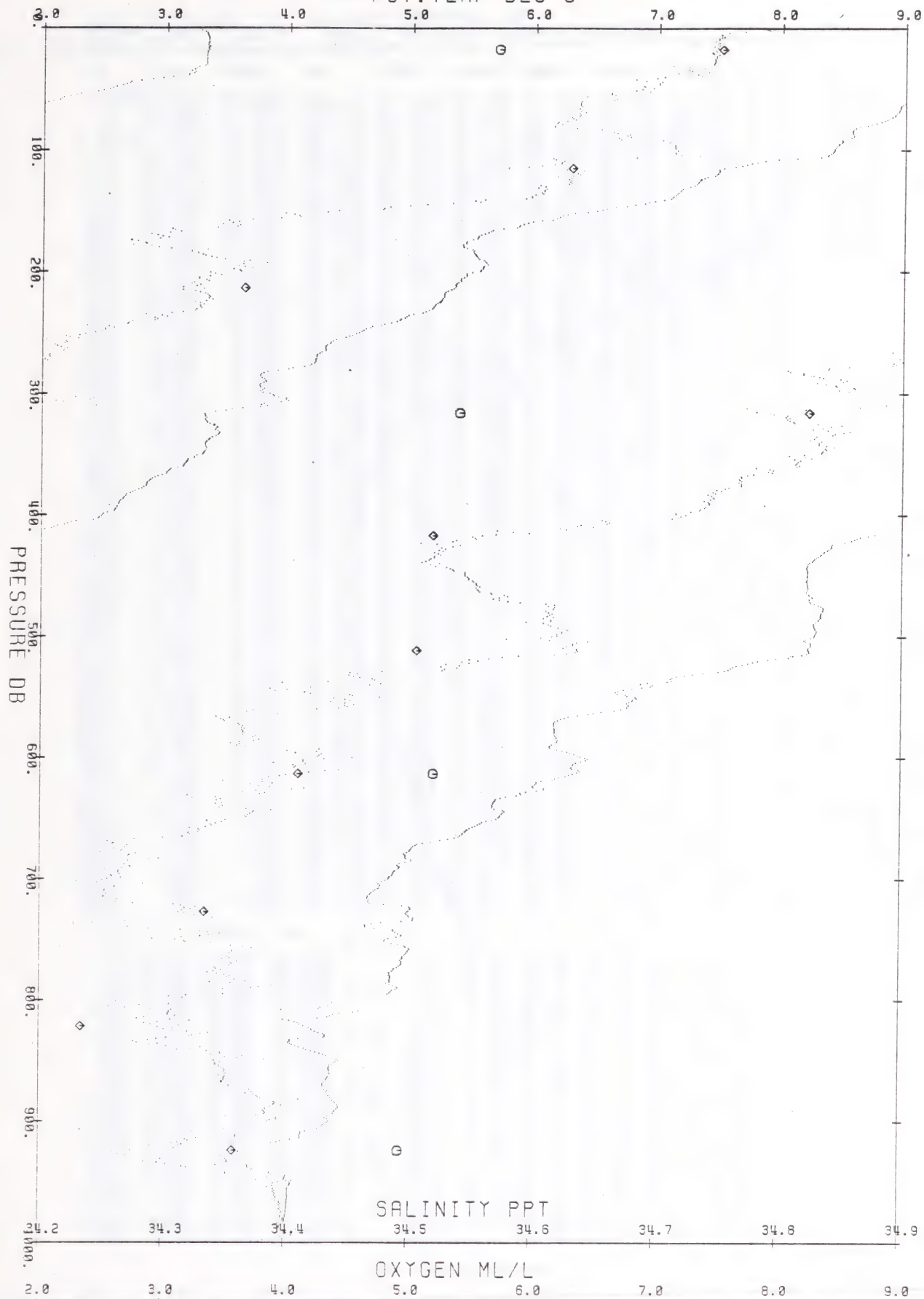
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ST 51

LAT -41.987

LONG 16.127

POT. TEMP DEG C

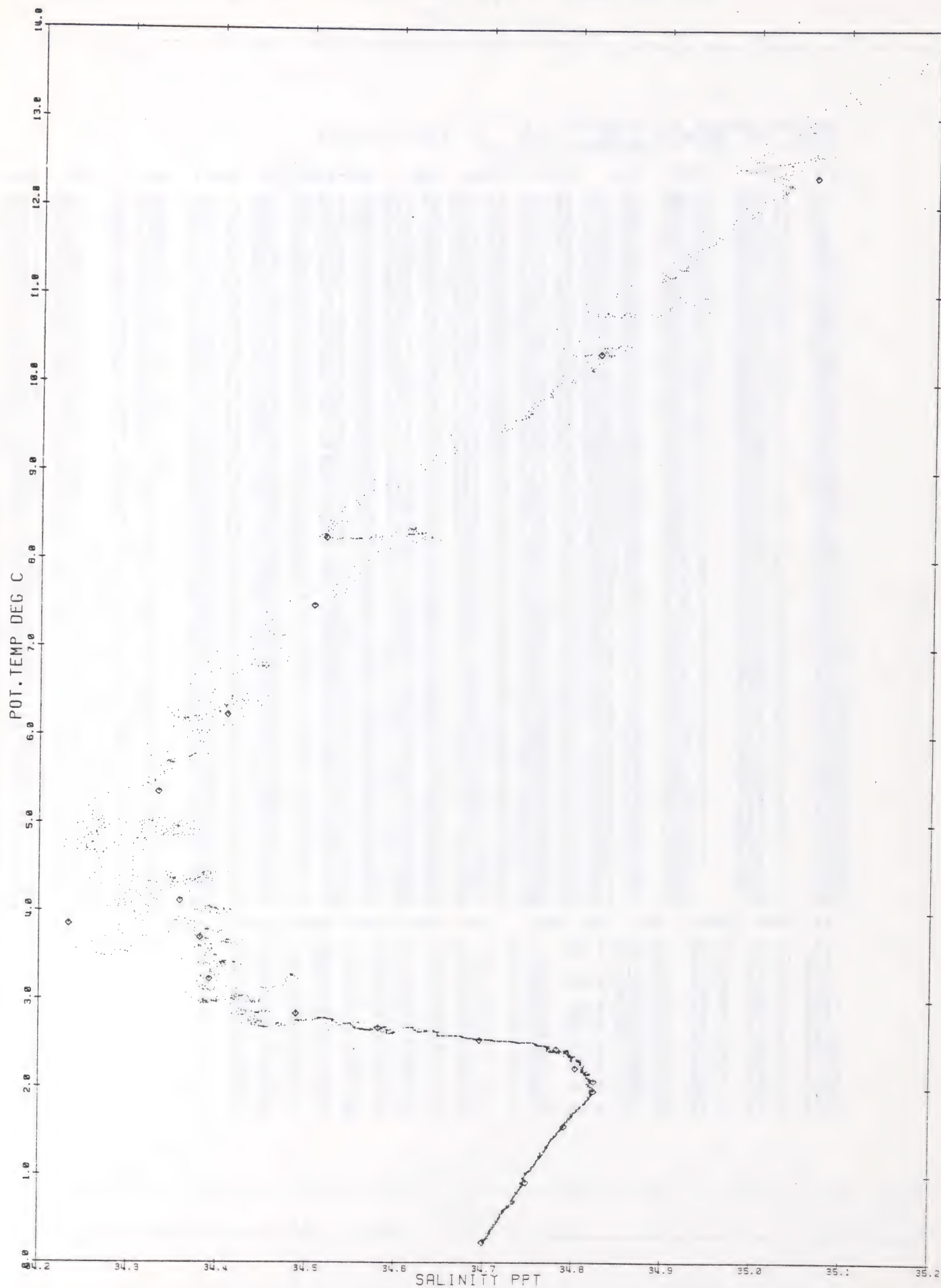


1011

ST 51

LAT -41.987

LONG 16.127





SHIP ID CRUISE 11 STATION 52  
START 37 55 30 S 18 1.00 E AT 946 76/12/18  
WIND = 19M/S COR. DEPTH = 4669M

DE	TEMP	THETA	SAL	SGM-T	SGM-O	SGM-1	SGM-2	SGM-3	SGM-4	AN	HZ	SVEL
0	19.899	19.899	35.447	25.146	25.148	29.432	33.615	37.703	41.699	282.77	000	1522.4
20	19.931	19.927	35.434	25.127	25.130	29.414	33.597	37.684	41.680	285.26	057	1522.8
40	19.963	19.967	35.416	25.179	25.183	29.470	33.657	37.748	41.748	281.06	113	1522.4
60	19.950	19.940	35.312	25.782	25.786	29.119	33.350	37.484	41.525	224.22	164	1514.8
80	19.928	19.925	35.291	25.926	25.930	29.275	33.518	37.663	41.715	211.15	207	1513.0
100	19.907	19.907	35.276	25.047	25.052	29.300	33.409	37.815	41.876	200.18	249	1511.1
120	19.917	19.914	35.247	25.173	25.180	29.300	33.548	37.979	41.051	188.56	288	1509.7
140	19.186	19.166	35.194	25.315	25.320	29.704	33.984	37.164	41.251	175.75	324	1507.3
160	19.438	19.415	35.144	25.433	25.438	29.837	33.131	37.325	41.425	164.94	358	1505.1
180	19.107	19.082	35.123	25.485	25.491	29.896	33.197	37.397	41.503	160.42	391	1504.3
200	19.737	19.709	35.090	25.532	25.539	29.951	33.259	37.467	41.579	156.35	422	1503.4
220	19.232	19.223	35.062	25.606	25.613	31.035	33.353	37.569	41.690	149.71	453	1502.0
240	19.693	19.662	35.016	25.677	25.684	31.118	33.447	37.674	41.806	143.26	482	1500.4
260	19.076	19.044	34.934	25.729	25.736	31.183	33.525	37.765	41.908	138.58	510	1498.4
280	19.768	19.734	34.914	25.789	25.797	31.230	33.578	37.824	41.974	135.10	538	1497.6
300	19.395	19.359	34.856	25.790	25.797	31.260	33.619	37.870	41.027	133.37	563	1496.6
320	19.138	19.109	34.876	25.830	25.837	31.326	33.687	37.946	41.108	128.07	597	1496.1
340	19.802	19.762	34.830	25.871	25.879	31.355	33.724	37.990	41.159	126.37	629	1495.5
360	19.936	19.896	34.793	25.916	25.923	31.409	33.788	37.063	41.241	122.33	660	1493.9
380	19.458	19.414	34.753	25.951	25.959	31.454	33.841	37.126	41.312	119.24	690	1492.8
400	19.838	19.792	34.666	25.992	25.000	31.512	33.915	37.215	41.416	115.21	720	1490.5
420	19.409	19.362	34.609	25.073	25.080	31.613	33.036	37.354	41.574	110.64	748	1489.9
440	19.072	19.023	34.603	25.117	25.124	31.613	33.036	37.354	41.574	107.63	775	1489.7
460	19.451	19.401	34.537	25.150	25.157	31.644	33.095	37.421	41.648	103.59	802	1489.7
480	19.704	19.652	34.456	25.181	25.188	31.713	33.159	37.500	41.740	100.52	833	1489.3
500	19.431	19.376	34.482	25.235	25.242	31.784	33.229	37.587	41.844	97.23	867	1489.0
520	19.096	19.038	34.483	25.276	25.283	31.873	33.353	37.726	41.924	92.39	902	1488.2
540	19.789	19.728	34.491	25.317	25.324	31.924	33.411	37.791	41.069	88.67	935	1487.3
560	19.445	19.384	34.462	25.354	25.361	31.974	33.475	37.869	41.160	84.78	965	1486.1
580	19.060	19.000	34.470	25.380	25.387	32.005	33.511	37.910	41.205	80.51	991	1485.4
600	19.450	19.389	34.495	25.412	25.419	32.040	33.549	37.950	41.248	75.76	1015	1484.0
620	19.763	19.692	34.496	25.431	25.439	32.065	33.578	37.984	41.287	70.92	1035	1483.5
640	19.491	19.418	34.514	25.473	25.480	32.114	33.634	37.046	41.336	69.81	1051	1483.0
660	19.350	19.277	34.584	25.542	25.550	32.187	33.711	37.125	41.408	63.78	1071	1481.1
680	19.000	19.000	34.614	25.599	25.607	32.303	33.825	37.211	41.503	58.19	1088	1480.0
700	19.856	19.774	34.639	25.631	25.639	32.399	33.909	37.293	41.577	55.49	1101	1479.1
720	19.536	19.453	34.672	25.669	25.678	32.331	33.872	37.303	41.630	52.11	1114	1478.4
740	19.704	19.621	34.703	25.696	25.706	32.360	33.901	37.332	41.660	50.13	1121	1478.5
760	19.691	19.608	34.736	25.724	25.734	32.389	33.930	37.362	41.690	48.12	1127	1478.7
780	19.706	19.623	34.771	25.750	25.761	32.415	33.956	37.388	41.715	46.37	1131	1478.9
800	19.665	19.583	34.796	25.774	25.786	32.441	33.983	37.416	41.744	44.56	1134	1479.0
820	19.643	19.560	34.812	25.789	25.801	32.457	33.000	37.433	41.762	43.74	1137	1479.1
840	19.600	19.522	34.823	25.802	25.814	32.472	33.015	37.450	41.780	42.99	1139	1479.2
860	19.541	19.458	34.833	25.814	25.827	32.486	33.032	37.468	41.800	42.10	1141	1479.3
880	19.508	19.423	34.838	25.821	25.835	32.503	33.047	37.480	41.813	41.79	1141	1479.3
900	19.470	19.387	34.841	25.827	25.842	32.504	33.051	37.490	41.824	41.58	1141	1479.3
920	19.430	19.347	34.844	25.833	25.848	32.511	33.060	37.500	41.835	41.36	1141	1479.3
940	19.375	19.292	34.845	25.838	25.854	32.519	33.069	37.509	41.847	41.10	1141	1479.3
960	19.328	19.245	34.843	25.841	25.857	32.524	33.076	37.515	41.857	41.04	1141	1479.3
980	19.267	19.184	34.844	25.845	25.862	32.529	33.083	37.527	41.866	40.97	1141	1479.3
1000	19.233	19.150	34.844	25.846	25.864	32.533	33.087	37.532	41.872	41.13	1141	1479.3
1020	19.200	19.117	34.842	25.849	25.867	32.537	33.094	37.540	41.885	41.04	1141	1479.3
1040	19.155	19.072	34.849	25.852	25.871	32.542	33.099	37.547	41.890	40.99	1141	1479.3
1060	19.130	19.047	34.830	25.852	25.873	32.548	33.109	37.551	41.895	40.84	1141	1479.3
1080	19.093	19.010	34.808	25.853	25.873	32.556	33.124	37.553	41.903	39.73	1141	1479.3
1100	19.263	19.180	34.786	25.856	25.876	32.568	33.145	37.561	41.911	37.73	1141	1479.3
1120	19.303	19.220	34.765	25.857	25.878	32.577	33.161	37.564	41.914	35.95	1141	1479.3
1140	19.148	19.065	34.752	25.857	25.878	32.583	33.172	37.569	41.919	34.93	1141	1479.3
1160	19.024	18.941	34.741	25.857	25.878	32.587	33.180	37.572	41.922	34.12	1141	1479.3
1180	19.440	19.357	34.733	25.856	25.878	32.590	33.186	37.571	41.920	33.67	1141	1479.3

DE	TEMP	THETA	SAL	OXY	SIL	PO4	SGM-T	SGM-O	SGM-2	SGM-4	FLAG
41	19.79	19.78	35.438	5.03	1.2	0.04	25.17	25.17	33.64	41.73	A
100	19.99	19.98	35.449	4.77	10.00	0.14	25.76	25.76	33.99	43.94	A
1000	19.15	19.10	35.616		24.9	0.89	25.12	25.12	33.09	44.64	
10000	19.68	19.63	35.906	4.20	48.3	1.66	25.34	25.34	33.44	45.10	A
100000	19.95	19.90	35.492		57.4	1.99	25.46	25.47	33.62	45.35	A
1000000	19.66	19.61	35.649	4.16	69.4	1.16	25.63	25.64	33.80	45.57	A
10000000	19.98	19.93	35.726	4.58	63.4	0.90	25.73	25.73	33.92	45.68	A
100000000	19.73	19.68	35.788	4.77	57.3	1.94	25.77	25.78	33.97	45.73	A
1000000000	19.47	19.42	35.832		51.1	1.72	25.80	25.81	33.00	45.78	
10000000000	19.50	19.45	35.411	5.13	55.5	1.63	25.82	25.84	33.07	45.80	
100000000000	19.46	19.41	35.456	5.18	55.7	1.62	25.84	25.87	33.07	45.84	
1000000000000	19.44	19.39	35.441		53.0	1.74	25.87	25.87	33.07	45.88	
10000000000000	19.44	19.39	35.441	5.14	53.0	1.61	25.87	25.87	33.12	45.93	
100000000000000	19.41	19.36	34.755		47.1	1.69	25.88	25.88	33.16	46.01	
1000000000000000	19.42	19.37	34.731	5.01	103.0	1.90	25.86	25.88	33.19	46.03	A

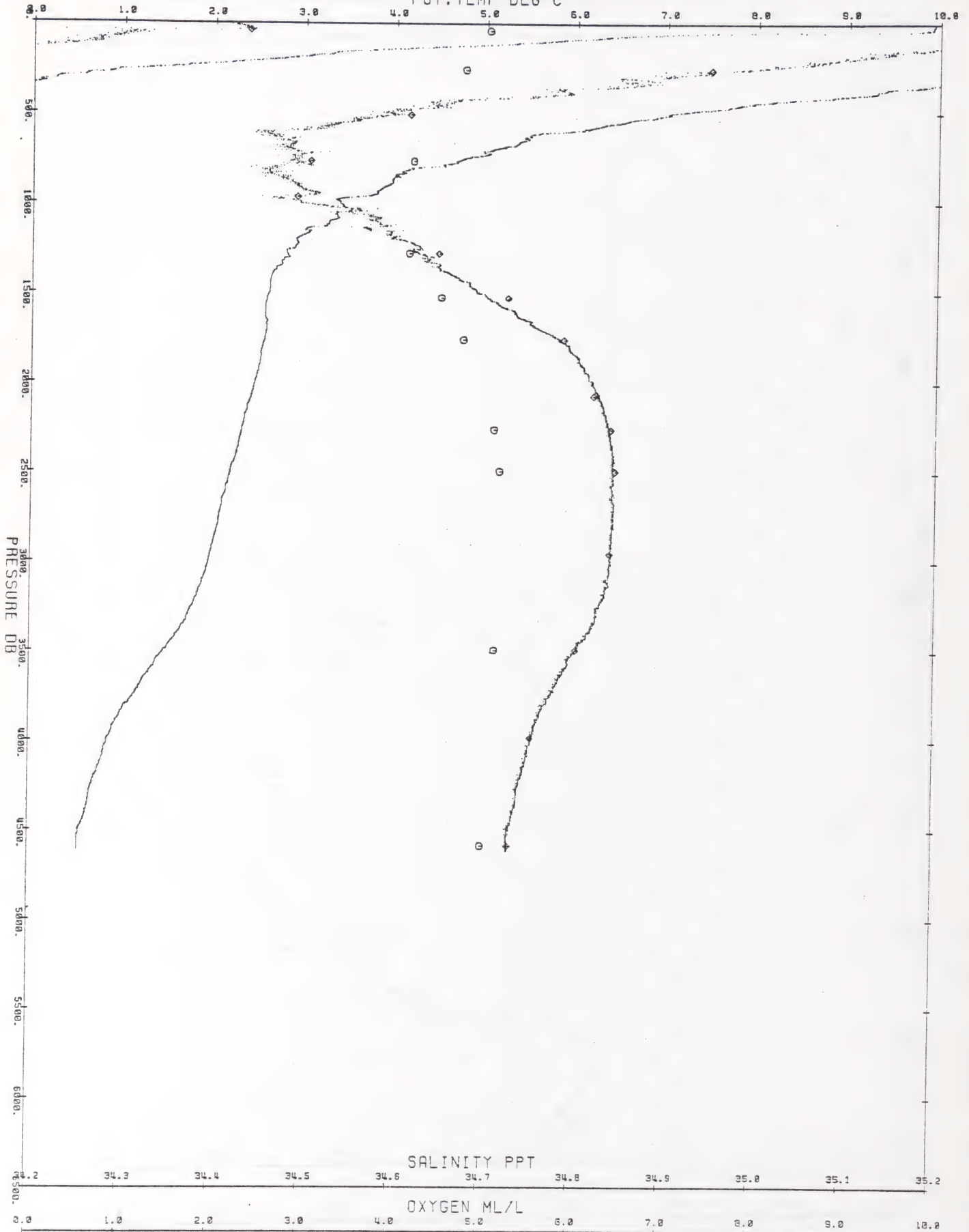
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ST 52

LAT -36.442

LONG 18.010

POT. TEMP DEG C





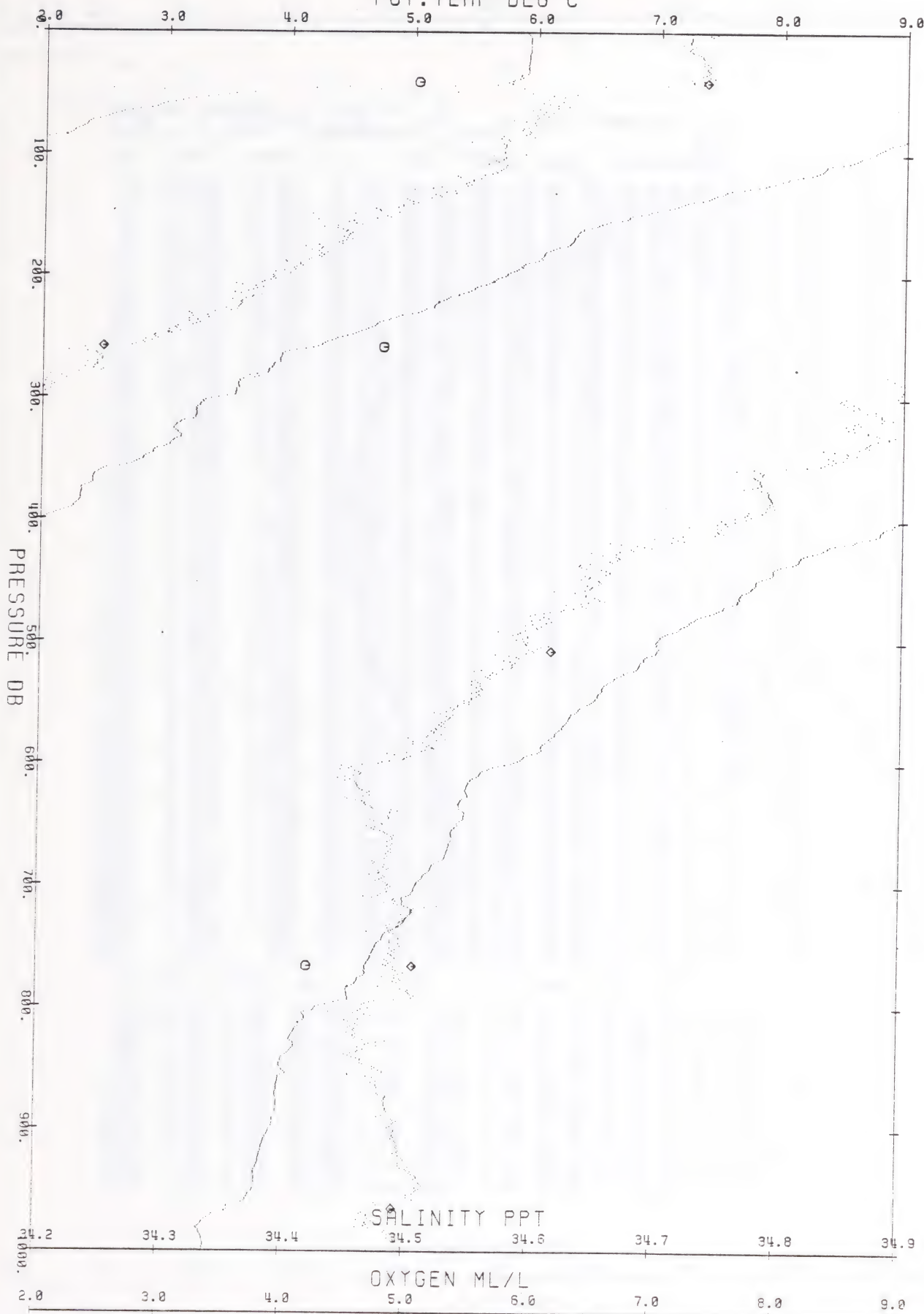
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ST 52

LAT -36.442

LONG 18.010

POT. TEMP DEG C

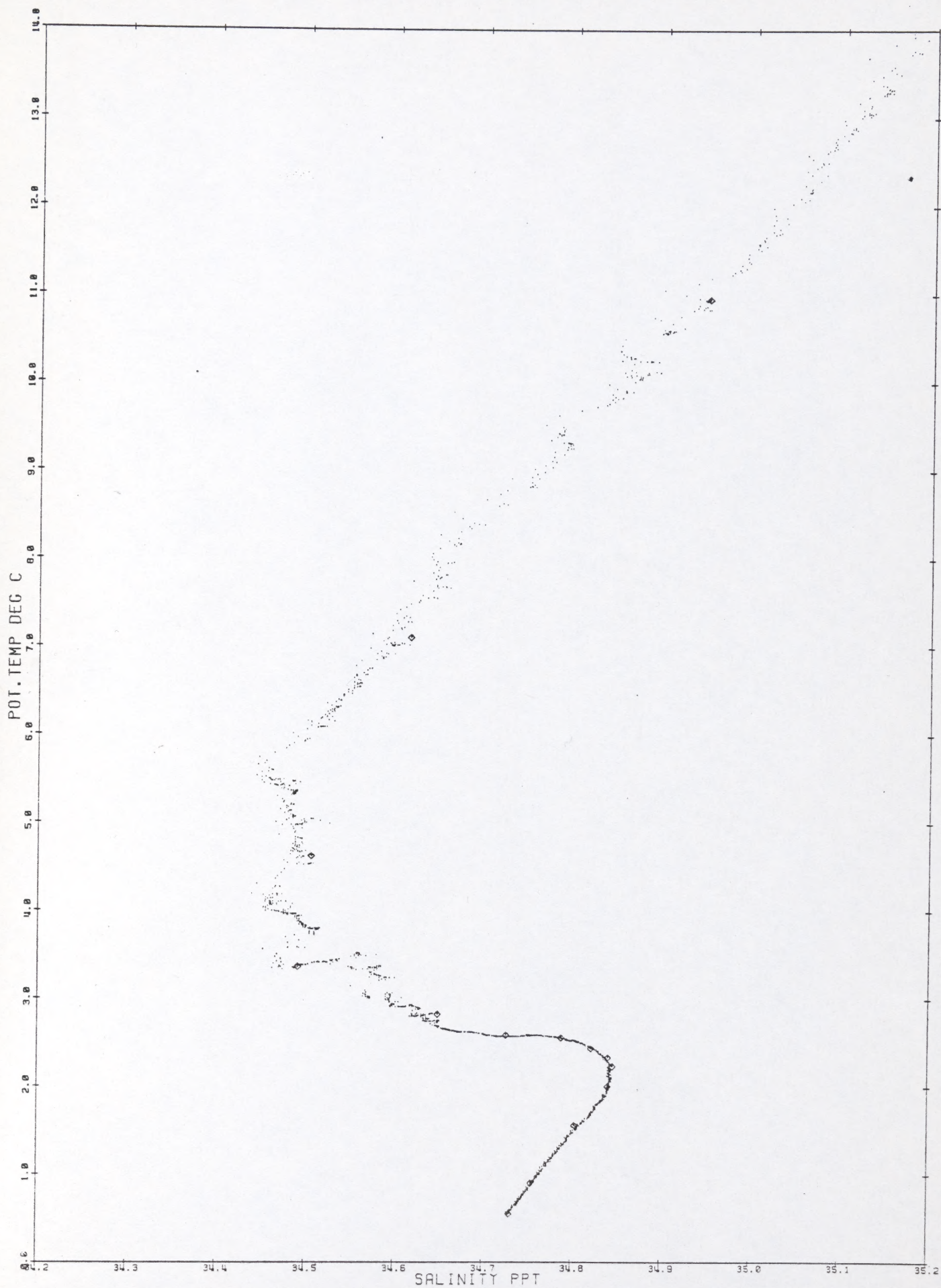


1011

ST 52

LAT -36.442

LONG 18.010





1011

916-81-2401

SHW-36-791

52 12

1101

31 52

CHT -36.442

LONG 18.812



